Whitehall.

MINISTRY OF HEALTH LIBRARY

Caernarvonshire County Council.

ANNUAL REPORT

OF THE

County Medical Officer of Health

WITH WHICH IS INCORPORATED

A Summary of the Annual Reports

OF THE

District Medical Officers of Health

For the Year 1938.

W. Gwenlyn Evans and Son, Printers, Caernarvon.

MINISTRY OF HEALTH
LIBRARY

Caernarvonshire County Council.

ANNUAL REPORT

OF THE

County Medical Officer of Health

WITH WHICH IS INCORPORATED

A Summary of the Annual Reports

OF THE

District Medical Officers of Health

For the Year 1938.

W. Gwenlyn Evans and Son, Printers, Caernarvon.

GENERAL INDEX.

	Page.
Introduction	9—12
Area and Population	14
Bacteriological Analysis	59
Births	16
Blind Persons Acts, 1920 & 1938	65—66
County of Caernarvon—	
(a) Area and Population	14
(b) Births and Birth Rate	16
(c) Cancer Death Rate	45
(d) Deaths and Death Rate	28, 29, 30
(e) Infantile Mortality	10, 18
(f) Maternal Mortality	19
(g) Tuberculosis Death Rate	9, 10, 30—44, 82, 83
(h) Zymotic Mortality	46
Child Welfare and Maternity	10, 11, 20
Child Life Protection	28
County Health Committee—Members	5
County Inspectors—Food and Drugs	6
County Hospital, Bangor	11, 48, 49
District Medical Officers & Public Vaccinators	6, 7
Food Inspection	78
Herd Sampling Scheme	69—73
Health Visitors and School Nurses	6
Health Services—National Campaign	47
Hospitals—Isolation	50, 51
Hospitals	52, 53
Housing	11, 84
Infant Visiting and Infant Clinics	21, 23—27
Infant Welfare Centres	10
Illegitimate Births	17
Infectious Diseases	21, 54
Isolation Hospitals	50—51
Medical Relief—Panel System	7
Milk (Special Designations) Order, 1936	68
Milk	12, 69—73
Midwives	20
Maternity and Child Welfare	10, 11, 20
Medical Officers & Nurses—Public Health Service	5, 6 & 7
Mental Deficiency Acts. 1913—38	60—64
Notification of Infectious Diseases	54
National Health Insurance	59
Nursing Homes Registration Act, 1927	19
Neo-Natal Deaths	21
Orthopaedic	22
Pathological and Bacteriological Analysis	59
Pre & Post Natal Clinics	49
Population	14
Public Analyst	6
Public Assistance Institutions—Sick Wards	52—53
Public Assistance Institutions—Medical Service	12

	Page.
Public Assistance Institutions—Maternity Cases ..	20
Regulated Establishments	67—68
Sewage Disposal	12, 74, 75
Smallpox	50, 51
Tuberculosis	9, 10, 30—44, 82, 83
Veterinary Inspectors	6
Venereal Diseases	55—58
Vaccinators—Public	6, 7
Vaccination Officers	8
Vaccination	79—81
Vital Statistics for 1938	13, 15
Water Supplies	12, 76, 77

CAERNARVONSHIRE COUNTY COUNCIL.

ANNUAL REPORT OF THE

County Medical Officer of Health

FOR THE YEAR 1938.

County Health Committee (1939).

Chairman
Vice-Chairman
Alderman W. George
,, O. Wynne Griffith.
,, Isaac Jones.
,, J. R. Pritchard.
,, J. W. Pritchard.
Councillor D. A. Bryan.
,, Mrs. E. Darbishire.
,, H. Dowler.
,, Humphrey Evans.
,, Owen Ellis
,, Mrs. A. Fisher.
,, Mrs. E. Griffith.
,, G. Griffiths.
,, R. J. Helsby.
,, Robert Hughes.
,, W. M. Hooton.
,, J. T. Jarret.
,, R. J. Gresley Jones.
,, E. R. Jones.
,, D. J. Lewis.

Alderman E. Hugheston Roberts.
Councillor J. T. Jones.
,, Mrs. E. M. Marks.
,, Mrs. E. S. O'Regan
,, O. Gwyrfai Owen
,, Hugh Parry.
,, R. J. Parry. (Conway)
,, R. Daniel Parry.
,, J. E. Payne.
,, R. F. Price.
,, G. Cornelius Roberts.
,, Hugh Roberts.
,, W. A. Roberts.
,, J. Evan Roberts.
,, J. Howell Roberts.
,, Robert Roberts
,, W. W. Spier.
,, Richard Thomas.
,, G. R. Williams.
,, John Williams.
,, G. H. Winstanley.
,, W. Hugh Williams.

Clerk to the County Council ..DAVID G. JONES, Solicitor.
Deputy Clerk to the County Council. ..WILLIAM JONES, Solicitor.
County Treasurer. ..G. GREGORY WILLIAMS.

Medical Officers and Nurses in the Public Health Service.

County Medical Officer .. ..
School Medical Officer .. ..
Medical Officer to the :—
Mental Deficiency Committee
Maternity & Child Welfare Committee
Public Assistance Committee
} D. E. PARRY PRITCHARD, M.D., D.P.H., M.B., Ch.B. (Liverpool).

Assistant County Medical Officer } ELFYN T. JONES, B.Sc., M.R.C.S., L.R.C.P., D.P.H.

Part-time County Obstetrician and and Gynaecologist	O. VAUGHAN JONES, M.D. (Liverpool), F.R.C.S. (Edin.) M.C.O.G.
County Superintendent Nurse ..	..M. DENNIS JONES, Fully Trained Nurse, Certified Midwife
Assistant School Nurse	..KATE PARRY,

Whole time Health Visitors and School Nurses.

Bangor	..G. M. THOMAS, Health Visitor's Certificate.
Caernarvon	..MARGARET HUGHES, Fully Trained Nurse, Certified Midwife
Llandudno	..EVELYN DAVIES, Health Visitor's Certificate.

Forty three District Nurses act as part-time Health Visitors in their respective districts.

Food and Drugs Acts.

Public Analyst	..HAROLD LOWE, M.Sc., F.I.C. Laboratory, Assay Office, Chester.

County Inspectors :

Southern Division	..E. T. EDWARDS.
Northern Division	..ROBERT ROBERTS.

Veterinary Inspectors :
(*Diseases of Animals Acts*).

Name.	*Area.*
W. HALL SAVAGE, Bangor.	..Conway Police Division (Temporary)
W. HALL SAVAGE, Bangor.	Bangor Police Division.
T. MALDWYN EVANS, Caernarvon.	Caernarvon Police Division and the Parish of Beddgelert.
G. JONES ROBERTS, Pwllheli.	Pwllheli Police Division, except the Parish of Beddgelert.

Milk Officer.

ERNEST JONES	..County Offices, Caernarvon.

Tuberculosis Officers (for Caernarvonshire and Anglesey).

Dr. V. EMRYS JONES	..Tuberculosis Institute, 5, Abbey Road, Bangor.
Dr. J. T. JONES	Do. do.

District Medical Officers and Public Vaccinators.

Dr. C. A. A . Lever, Hatherton, Gloddaeth Street, Llandudno.
Dr. W. Thomas, Bodreinallt, Conway.
Dr. W. E. Williams, Llys Meddyg, Penmachno.
Dr. A. Thompson Hill, Henar, Llanrwst.
*Dr. J. T. Burrell, Brynfa, Bangor.
Dr. Thomas Bellis, Wernto, Llanfairfechan.

*Dr. A. Rees Pritchard, Victoria Place, Bethesda.
Dr. R. Armsden, Cae Llenor, Caernarvon.
Dr. A. L. Miles, Treferw, Waenfawr.
Dr. E. H. Griffiths, Bronygaer, Rhosisa, Rhostryfan.
Dr. W. G. Owen, Brynteg, Penygroes.
*Dr. J. Douglas Jones, Bryngwyddfan, Llanberis.
Dr. G. Ap Vychan Jones, Llys Meddyg, Portdinorwic.
Dr. Lloyd W. Hughes, Llys Meddyg, Botwnnog.
Dr. G. H. D. Evans, Garth, Abersoch.
Dr. H. Hughes Jones, Dwylan, Morfa Nevin.
Dr. T. H. Rhys, Delfryn, Pwllheli.
Dr. J. Ll. Rowlands, Bryn Meddyg, Llanaelhaiarn.
*Dr. R. R, Prytherch, Plas Newydd, Criccieth.
Dr. Arwyn Roberts, Vrogain, Portmadoc.

*Public Vaccinators only.

Medical Practitioners on Out-Door Medical Panel.

CAERNARVON.	Dr. R. Armsden, Cae Llenor, Caernarvon.
LLANRUG No. 1	Dr. J. P. Marren, Plas Eryr, Deiniolen.
	Dr. A. L. Miles, Treferw, Waenfawr.
	Dr. I. Wynne Jones, Plas Coch, Llanberis.
	Dr. H. Edwards, Trefeddyg, Portdinorwic.
	Dr. J. Douglas Jones, Bryngwyddfan, Llanberis.
BANGOR.	Dr. J. T. Burrell, Brynfa, Bangor.
	Dr. H. Edwards, Trefeddyg, Portdinorwic.
	Dr. G. Ap. Vychan Jones, Llys Meddyg, Portdinorwic.
BETHESDA.	Dr. I. Mostyn Williams, 7, Ogwen Terrace, Bethesda.
	Dr. A. Rees Pritchard, Victoria Place, Bethesda.
CRICCIETH.	Dr. W. Jones Morris, 64, High Street, Portmadoc.
	Dr. D. Glanville Evans, Brynhyfryd, Pwllheli.
	Dr. R. Rees Prytherch, Plas Newydd, Criccieth.
	Dr. T. Hughes Rhys, Delfryn, Pwlheli.
	Dr. I. O. Jones, Brynhyfryd, Pwllheli.
	Dr. Arwyn Roberts, Vrogain, Portmadoc.

Medical Officers—Public Assistance Institutions.

Name of Institution.	*Medical Officer.*
DOLWAEN, CONWAY	..Dr. W. Thomas, Bodreinallt, Conway.
BODFAN INSTITUTION AND ERYRI HOSPITAL, CAERNARVON ..	..Dr. W. Hilton Parry, Ty Newydd, Castle Street, Caernarvon.
CARTREF, PWLLHELI	..Dr. W. Charles Evans, 2, Salem Terrace, Pwllheli.

County Hospital Bangor.

Medical Superintendent .. Dr. Ifan Huw Jones, Bryn Idan, Caernarvon.

Vaccination Officers :

Mr. J. G. Evans, 12, St. Mary's Road, Llandudno.
Mr. W. J. Williams, Meddiant, Conway.
Mr. D. Ernest Parry, Guardians Offices, Conway.
Mr. W. Thomas, Bryncoch, Holyhead Road, Bangor.
Mr. R. J. Ellis, Hengoed, Bethesda.
Mr. O. Pritchard, 1, Llanberis Road, Caernarvon.
Mr. B. Ll. Hughes, Arsyllfa, South Beach, Pwllhèli.
Mr. F. Vaughan Jones, Bodawel, Penygroes.
Mr. J. O. Williams, Aelybryn, Bethel.
Mr. Robert Roberts, Argraig, Sarn.
Mr. J. T. Williams, Avallon, Fourcrosses
Mr. F. Ll. Buckingham, Eirianfa, Portmadoc.
Mr. A. E. Williams, Bryn Arfon, Groeslon.
Mr. Hugh Thomas, 3, Minffordd, Bethel.

Office Staff (Health and School work).

Chief Clerk .. ..D. T. Williams.
Assistant Clerks .. .. ..Violet A. Roberts.
Lloyd Hughes.
Katherine Evans
Stanley Williams.
Gwyneth Thomas.

To the Chairman and Members of the County Health Committee.

Ladies and Gentlemen.

I have much pleasure in presenting my Eighth Annual Report on the Health Services of the County.

Owing to my absence from duty and the tremendous amount of extra work arising from the imminence and subsequently the outbreak of war, the publication of the report has been unavoidably delayed.

TUBERCULOSIS.

At the inquiry held by Clement Davies, Esq., and Dr. F. J. H. Coutts, into the Anti-Tuberculosis Services in Wales and Monmouthshire, attention was once more focussed on the very unfavourable mortality figures relating to Tuberculosis in this County. From the table on pages 82—83 it will be realised that the figures reveal a worse position than in any other County or County Borough in Wales. The nature and extent of the General Health Services provided were severely criticised during the Inquiry. The Council has for many years spent on its Health Services less per thousand of the population than any other Authority in Wales. During 1938 it spent £67 17*s*. 9*d*. less per thousand of the population than the average for Wales and £33 6*s*. 2*d*. less than the average for England.

During the ten-year period ending December, 1937, two Rural District Councils had not built a single house and only 149 had been built by the other two Rural District Councils. Approximately 1,000 houses had been built in the same period by the Urban Authorities, but these were not sufficient to meet the need. A very low standard of sewage disposal, water supply, collection and disposal of refuse and of inspection of licensed premises, etc., had been reported in many districts. Although some improvement was noticeable during the last twelve months, no appreciable decrease in Tuberculosis mortality can be expected until the public realise that Tuberculosis is infectious ; that its cause and only cause is the Tubercle Germ. It is imperative to educate the public how to prevent the spread of the germ and how to raise, by adequate and correct feeding, the resistance of the body to withstand the attacks of the germ. Poverty and the misuse of wages, insanitary houses, defective sanitation, are potent factors in the development of the disease, but the primary cause is the germ. A large number of infectious lung cases either do not enter a sanatorium or return home from a sanatorium to die ; thereby conveying the disease to their families and friends. These " open cases " and tuberculous milk are the common sources of infection. Many more beds for advanced cases are required in sanatoria. Efficient pasteurisation will prevent the spread of milk-borne Tuberculosis and of other diseases.

A Scheme adopted by the Council for the care of Tuberculous patients will be found on pages 42—44. I hope that all the provisions of this Scheme will be effectively and completely embodied in the Public Health Service at an early date.

Many cases of early and even chronic Tuberculosis are not diagnosed. Some do not consult their own doctors ; others refuse all the facilities for diagnosis provided by the Welsh National Memorial Association.

No material reduction in the incidence of Tuberculosis and other chronic diseases, such as Cancer, Heart Disease, Rheumatism, etc., can be expected until a periodical and complete medical examination of the whole community is introduced with more extensive and modern facilities for diagnosis and treatment easily available to all members of the community. There is nothing more expensive and demoralising, equally to the nation and to the individual, as ill-health.

The Tuberculosis death-rate is a good index of the extent and adequacy of the general Health Services. The death-rate for this County along with other known factors is a clear indication of the necessity for the improvement and extension of the Health Services ; for more generous assistance in the form of nourishment to young children and patients, and for the appointment of fully-qualified and trained Health Visitors to teach the public how to live wisely and well. Expensive foods, subsequently badly cooked, are frequently bought with meagre earnings.

MATERNITY AND CHILD WELFARE.

A slight reduction in the Infant Mortality rate is recorded this year. The average rate for the last 20 years is 73 and although there is a gradual reduction I am convinced that the rate can be further reduced. Some Authorities report a rate of 40 and under. At least two factors contribute to such a low rate ; liberal assistance for the provision of extra nourishment to both mothers and children in necessitous cases, and expert advice by specially trained and qualified Health Visitors on the methods of feeding and the care of premature and ailing babies. The Council engages only three qualified Health Visitors for Caernarvon, Bangor and Llandudno, and utilises elsewhere the services of 46 part-time nurses, not one of whom is a trained Health Visitor and only 15 are even fully-trained State Registered Nurses. During the year only £178 was spent on the provision of extra nourishment to mothers and children.

Attendances at the Infant Welfare Clinics continue to increase. Approximately 48 per cent. of the children under twelve months attend the Clinics.

The Maternal Mortality rate has fallen from 9.2 in 1937 to 5.5, and the number of deaths from 15 to 9. I hope that the abnormal rate for 1937 will never again be recorded.

I welcome into the Health Service Mr. O. Vaughan Jones, the Obstetric Specialist, who commenced duties in April, 1938. He was also appointed Obstetrician and Gynaecologist at the County Hospital with full responsibility for all maternity cases. A considerable amount of alterations and additions were required at the Hospital to house the Maternity Department, and further improvements contemplated will enable the Department to deal effectively with all types of abnormal cases.

Pre-Natal Clinics were established at Llandudno, Bangor, Caernarvon and Pwllheli, and the attendances from the commencement were much larger than I anticipated, and they are still increasing.

A report by Mr. O. Vaughan Jones will be seen on page 49. Malnutrition in pregnant mothers is much too prevalent in the County. It is essential to provide more assistance in necessitous cases if the mortality and morbidity rates are to be reduced.

COUNTY HOSPITAL.

On 1st April, 1938, the St. David's Poor Law Institution, Bangor, was appropriated by the Public Health Committee. During the following weeks the inmates and most of the sick were transferred to Conway and Caernarvon Institutions. A few of the older chronic sick were retained at the Hospital.

The County Council resolved to establish a General Hospital with 40 beds at the outset, of which 12 beds were retained for maternity cases. It soon became apparent that the Maternity Section was progressing rapidly and a further 8 beds were transferred from the Surgical and Medical Section before the end of the year; the total number of beds remaining at 40. Details of admissions and other statistics will be found on page 48.

HOUSING.

Extensive progress has been made by some Authorities during the year. The extent of the problem still to be met is indicated by the tables on page 84. Excluding the Rural District of Gwyrfai and the Borough of Pwllheli, from which statistics have not been received and in addition to those houses examined and accounted for in previous years, 801 houses were found to be in a state so dangerous or injurious to health as to be unfit for human habitation, and 792 houses were found not to be in all respects fit for human habitation. I calculate that throughout the County at the end of 1938, not less than 1,900 houses were in a state so dangerous or injurious to health as to be unfit for human habitation and at least 1,700 houses were not in all respects fit fur human habitation.

WATER SUPPLIES.

Figures relating to water supplies, which I have received from the various local Authorities will be found on pages 76—77. Only 105 samples of water from 61 different sources were examined, of which 15 were re-

ported unsatisfactory. These figures are even more disturbing when it is revealed that of the 61 sources of supply, 34 of which are springs, 56 of the supplies are not chlorinated and 48 are not filtered. Once again, I draw attention to the potential danger of these supplies. Unless the necessary action is taken to protect the supplies a serious epidemic will undoubtedly arise.

SEWAGE DISPOSAL.

Attention is drawn to pages 74—75 on which will be found information taken from the reports of the District Medical Officers. The position generally, particularly in the Rural Areas, is very unsatisfactory.

MILK SUPPLIES.

A report prepared for me by Mr. Ernest Jones, the Milk Officer, appears on pages 69—72.

PUBLIC ASSISTANCE.

Following the transfer of chronic sick from the Bangor Institution during the Spring, some difficulty was experienced in finding accommodation for chronic sick at the three Institutions during the winter and it eventually became necessary to prepare plans for the addition of twelve beds at the Eryri Hospital, Caernarvon.

I wish to thank the Chairmen and members of the various Committees for their continued support. All members of my staff have been most diligent and I value their loyalty.

I am,

Ladies and Gentlemen,

Your obedient Servant,

(*Signed*). D. E. PARRY PRITCHARD.

SUMMARY OF VITAL STATISTICS.

Area in Acres 364,108

Population—Census 1931 120,820

Registrar-General's estimate of resident population, 1938 .. 118,590

Rateable value £620,475

Produce of 1d. rate £2,399

Extracts from Vital Statistics of the year :—

	Total	*Males*	*Females.*	
Live Births :—				
Legitimate	1538	776	762	(Birth-rate per 1,000 of the
Illegitimate	98	53	45	(estimated resident population **13.7**
Still Births :—				
Legitimate	83	41	42	(Rate per 1,000 total (live and still)
Illegitimate	9	5	4	(births 53.2
Deaths from all causes	1837	879	958	Death-rate 15.4.

Deaths from puerperal causes :—

	Deaths.	*Rate per* 1,000 *total (live and still) births.*
Puerperal Sepsis ..	4	2.3
Other puerperal causes	5	2.8
Total ..	9	5.2

Death-rate of Infants under one year of age :—

All Infants per 1,000 live births ..	58.0
Legitimate Infants per 1,000 legitimate live births ..	53.3
Illegitimate Infants per 1,000 Illegitimate Live Births ..	132.6

Deaths from Diarrhoea (under 2 years of age) 3 (.18 per cent of Live Births).

Deaths from Measles (all ages) 1.

Deaths from Whooping Cough (all ages) 7.

Zymotic Mortality (18 deaths) .15 per 1,000 of the population.

Cancer Death-rate (276 deaths) 2.3 per 1,000 of the population.

Respiratory Diseases (136 deaths) 1.1 per 1,000 of the population.

Tuberculosis Death-rate (153 deaths) 1.2 per 1,000 of the population.

AREA AND POPULATION OF THE COUNTY.

RURAL DISTRICTS.

District.	*Estimated Resident Population by Registrar General* 1938.	*Acreage as constituted at 30th June,* 1935.
Nant Conway	6,244	88,222
Gwyrfai	23,600	96,475
Lleyn	17,155	114,831
Ogwen	4,956	32,526
	51,955	332,054

URBAN DISTRICTS.

Bangor	12,530	1,576
Bethesda	4,489	893
Bettwsycoed	747	4,472
Caernarvon	8,697	2,213
Conway	8,989	3,808
Criccieth	1,466	1,132
Llandudno	15,110	4,920
Llanfairfechan	3,070	4,472
Penmaenmawr	3,896	3,814
Pwllheli	3,578	1,211
Portmadoc	4,063	3,543
	66,635	32,054

RURAL AND URBAN DISTRICTS.

Rural	51,955	332,054
Urban	66,635	32,054
	118,590	364,108

VITAL STATISTICS FOR 1938.

BIRTH RATE AND DEATH RATE PER 1,000 of the population.

District.	*Births*		*Deaths (All Causes)*	*Zymotic Mortality*	**Infantile Mortality*	*Cancer*	*Respiratory Diseases.*	*Tuberculosis.*
	Live	*Still*						
Rural Districts :								
Nant Conway ..	12.6	.9	16.8	.16	59.6	2.2	1.6	1.4
Gwyrfai	15.5	.8	18.0	.25	70.8	2.3	1.1	2.2
Lleyn	14.5	1.1	17.7	.29	76.3	2.8	1.5	1.1
Ogwen	13.5	.6	16.5	.40	29.8	2.4	1.0	1.8
Urban Districts :								
Bangor	13.8	.8	12.3	Nil	68.9	1.6	.7	.4
Bethesda	16.4	1.3	14.9	Nil	54.0	2.6	1.7	.8
Bettwsycoed ..	10.7	Nil	16.0	Nil	Nil	1.3	Nil	5.3
Caernarvon ..	14.7	.4	14.1	Nil	39.0	2.2	.9	1.2
Conway	12.7	.5	15.3	.44	52.1	2.1	1.2	1.2
Criccieth	8.8	1.3	18.4	Nil	Nil	3.4	2.0	1.3
Llandudno	11.1	.3	12.4	Nil	53.2	2.3	.7	.3
Llanfairfechan ..	8.4	.6	11.0	Nil	Nil	1.9	2.2	.9
Penmaenmawr ..	12.8	1.2	13.6	Nil	40.0	1.5	.7	.5
Pwllheli	15.0	.2	13.9	Nil	55.5	1.6	1.1	1.6
Portmadoc	15.5	.4	17.7	Nil	47.6	3.4	.7	1.7
Rural Districts ..	14.6	.8	17.6	.26	66.9	2.5	1.3	1.7
Urban Districts ..	13.1	.6	13.7	.06	50.3	2.1	1.0	.9
Total County	13.7	.7	15.4	.15	58.0	2.3	1.1	1.2
England and Wales ..	15.1	.6	11.6	..	53.0	..	..	..

* Death Rate per 1,000 Live Births.

BIRTHS AND BIRTH RATES.

The total number of Live Births registered during the year was 1,636 (Males 829 : Females 807) or at a rate of 13.7 per 1,000 of the population ; the total number of Still-Births being 92 (Males 46, Females 46) a rate of .7 per 1,000 of the population.

In the four Rural Districts there were registered 762 Live Births, i.e. a rate of 14.6 per 1,000 of the population and 49 Still Births, a rate of .8 per 1000 of the population.

In the eleven Urban Districts there were registered 874 Live Births i.e., a rate of 13.1 per 1,000 of the population and 43 Still-Births a rate of .6 per 1,000 of the population.

The Birth Rate per 1,000 of the population in the various Districts in the county during the last 5 years is given in the table below.

District. ..	1934.	1935.	1936.	1937.	1938.
Rural Districts :					
Nant Conway ..	17.3	14.5	13.0	16.4	12.6
Gwyrfai ..	14.5	15.5	15.0	15.0	15.5
Lleyn	13.5	13.9	13.7	14.0	14.5
Ogwen ..	11.8	12.8	11.1	14.7	13.5
Urban Districts :					
Bangor ..	13.4	13.7	14.3	13.2	13.8
Bethesda ..	15.5	13.7	14.2	13.3	16.4
Bettwsycoed ..	10.0	5.1	10.2	15.6	10.7
Caernarvon ..	14.0	15.5	16.5	15.4	14.7
Conway ..	11.7	14.3	12.5	13.0	12.7
Criccieth ..	11.0	13.6	6.1	9.5	8.8
Llandudno ..	9.6	11.2	11.0	10.9	11.1
Llanfairfechan	11.6	12.7	11.5	9.4	8.4
Penmaenmawr	12.8	10.2	11.6	8.7	12.8
Pwllheli	12.0	15.1	11.7	12.5	15.0
Portmadoc ..	14.8	12.9	11.5	15.2	15.5
Rural Districts ..	14.4	14.6	14.0	14.8	14.6
Urban Districts ..	12.4	12.5	12.8	12.5	13.1
Total for County ..	13.3	13.8	13.3	13.5	13.7
England & Wales	14.8	14.7	14.8	14.9	15.1

ILLEGITIMATE BIRTHS.

There were 98 Illegitimate Live Births in the county during the year 1938 representing a rate of 5.9 per cent of the total Live Births as compared with a rate of 5.8 per cent for the year 1937.

Rural Districts.

District.	*Total Live Births.*	*Number of Illegitimate Births.*	*Percentage.*
Nant Conway	79	8	10.1
Gwyrfai	367	20	5.4
Lleyn	249	15	6.0
Ogwen	67	4	5.9
Total	762	47	6.1

Urban Districts.

Bangor	174	5	2.8
Bethesda	74	1	1.3
Bettwsycoed	8	—	—
Caernarvon	128	10	7.8
Conway	115	5	4.3
Criccieth	13	—	—
Llandudno	169	15	8.8
Llanfairfechan	26	—	—
Penmaenmawr	50	5	10.0
Pwllheli	54	4	7.4
Portmadoc	63	6	9.5
Total	874	51	5.8
Total for county	1636	98	5.9

INFANTILE MORTALITY,

During the year 95 Infants (82 Legitimate and 13 Illegitimate) under one year of age died, equivalent to a rate of 58.0 per 1,000 Live Births.

Cause of Death.	*No. of Deaths.*
Premature Birth	32
Convulsions	9
Pneumonia	8
Inanition	6
Debility	5
Haemorrhagic diseases of the new born	4
Bronchitis	3
Gastro Enteritis	3
Asphyxia	3
Atelectasis	3
Whooping Cough	3
Congenial Malformation	2
Marasmus	2
Spina Bifida	2
Heart Disease	1
Melaena Neonatorum	1
Asphyxia Neonatorum	1
Accidental Death	1
Melaena	1
Dermatitis Expoliativa	1
Streptococcal Meningitis	1
T. B. Peritonitis	1
Intussusception	1
Infantile Diarrhoea	1
	95

MATERNAL MORTALITY.

The number of deaths from puerperal causes during the year 1938 was 9 (Puerperal Sepsis 4; Other puerperal causes 5) a rate of 5.5 per 1,000 Live Births.

Distribution of Deaths :—

Urban.		*Rural.*	
Bangor	Nil.	Lleyn	3
Conway	2	Gwyrfai	1
Bethesda	1	Ogwen	Nil.
Caernarvon	Nil.	Nant Conway	Nil.
Portmadoc	Nil.		
Pwllheli	Nil.		
Criccieth	1		
Llandudno	1		
	5		4

The Maternal Mortality rate per 1,000 Live Births during the last five years together with the rates for England ond Wales is given in the following tables :—

Puerperal Sepsis.

	1934.	1935.	1936.	1937.	1938.
Caernarvonshire	2.51	2.42	2.5	4.9	2.4
England and Wales	2.03	1.68	1.40	.97	.89

Other Puerperal Causes.

	1934.	1935.	1936.	1937.	1938.
Caernarvonshire	3.76	5.4	4.3	4.3	3.0
England and Wales	2.57	2.42	2.41	2.26	2.19

NURSING HOMES REGISTRATION ACT, 1927.

REGISTRATION OF MATERNITY AND OTHER NURSING HOMES.

1. Total number of Homes registered as at 31st December, 1938 :—
   Maternity Homes .. } 11
   Other Nursing Homes }
2. No. of Patients provided for 157
3. Number of applications for registration received during the year 1938 .. .. Nil.
4. Number of Homes registered during the year 1938 .. .. Nil.

No further action was taken under this Act during the year 1938.

Inspections are made by the County Medical Officer of Health and the Superintendent Health Visitor.

MATERNITY HOMES AND HOSPITALS.

	Institutions (with Maternity wards) provided by the Council.	*Institutions provided by Voluntary Associations towards which a grant is made by the Council.*
Number of Institutions	4	3
Number of Maternity beds	29	9
Total number of women admitted to these beds during the year ..	236	47

PUBLIC ASSISTANCE INSTITUTIONS.
Including County Hospital, Bangor.

Number of Maternity cases admitted during the years 1934—1938 :—

1934	1935	1936	1937	1938
22	60	77	151	236

MATERNITY AND CHILD WELFARE.

MIDWIVES.

Number in Practice on the 31st December, 1937		86
Number in practice on the 31st December 1938		86
Queen's Nurses ..	..21	
County Nurses ..	..33	
Registered Midwives	.. 1	
In Institutions, etc.	..31	

INSPECTION OF MIDWIVES.

Number of Routine Inspections	198
,, Special Visits	19

RETURN OF WORK OF MIDWIVES.

1. Number of cases attended by Midwives during the year :—

(i.) as Midwives	930
(ii.) as Maternity Nurses	693
Total	1623

2. Number of deaths of Infants under 10 days old .. 35
3. Total number of cases in which " Medical Aid " was summoned 244

INFECTIOUS CASES DEALT WITH.

Disease.	*Number of cases notified.*	*Cases visited by Officers of the Council.*	*Cases. nursed at home.*	*Cases removed to Hospital.*
Ophthalmia Neonatorum ..	6	3	3	3
Pemphigus Neonatorum ..	..	..	..	..
Puerperal Pyrexia	14	1	5	9

INFANT CLINICS AND INFANT VISITING.

There are three whole-time and 46 part-time Health Visitors in this County.

Return supplied by Health Visitors on the feeding of Infants born during the year :—

Breast	795
Bottle	436
Breast and Bottle	217
Total ..	1448

NEO-NATAL DEATHS.

Cause of Death.	*No. of Deaths.*
Premature Birth	30
Convulsions	7
Inanition	6
Haemorrhagic disease of the new born ..	4
Debility	3
Asphyxia	2
Atelectasis	2
Pneumonia	2
Spina Bifida	1
Melaena	1
Dermatitis Expoliativa	1
Melaena Neonatorum	1
Gastro Enteritis	1
Bronchitis	1
Accidental Death	1
Marasmus	1
Asphyxia Neonatorum	1
Infantile Diarrhoea	1
Congenial Malformation	1
Heart Disease	1
Total	68

RETURN FOR THE YEAR 1938,

ORTHOPAEDIC TREATMENT.

MATERNITY AND CHILD WELFARE SECTION.

New cases seen at Centre	..	40
Total Attendances— All Cases	..	592
Cases treated— Hospital ..	..	2
Massage and S.R.E.	..	16
Appliances ..	..	10
Total Length of stay in Hospital of all cases		265 days
Nature of Defects treated :—		
Flat Feet ..	..	12
Knock Knees	..	5
Poor Posture	..	3
Bow Legs ..	..	3
Torticollis ..	..	2
Erbs Paralysis	..	2
Rickets	..	1
Congential Talipes Varus	..	1
Cervical Rib	..	1
Spina Bifida	..	1
Deformed Toes	..	1
Congenital Deformity of Hand	..	1
Congenital Dislocation of Hip	..	1
No. defects found	..	6
Total ..	..	40

MATERNITY AND CHILD WELFARE.

NUMBER OF VISITS PAID BY HEALTH VISITORS DURING 1938.

District.	*Total No. of Births.*	*No. of First Visits.*	*No. of Revisits.*	*Total No. of Visits.*	*Visits to children between :—*	*Expectant Mothers.*		*Midwifery.*	
								No. of Cases.	
					1 and 5 years of age	*First Visits.*	*Total Visits.*	*Midw.*	*Mat.*
WHOLE-TIME HEALTH VISITORS.									
1. Bangor	172	154	1450	1604	1540	61	79	..	..
2. Caernarvon	122	117	1324	1441	2004	53	186	..	..
3. Llandudno	128	126	766	892	1061	..	..	..	..
PART-TIME HEALTH VISITORS.									
1. Aberdaron	19	18	72	90	378	10	65	14	5
2. Beddgelert	7	7	31	38	217	8	29	4	3
3. Bettwsycoed	14	14	95	109	246	14	56	2	12
4. Bethel, Rhiwlas & Pentir..	26	25	193	218	261	19	109	9	11
5. Clynnog and District ..	14	13	34	47	202	12	64	8	5
6. Conway	46	46	322	368	628	31	201	23	14
7. Criccieth	24	24	210	234	254	21	181	8	5
8. Caerhun	11	10	47	57	346	10	95	8	3
9. Chwilog	12	12	73	85	236	12	120	6	8
10. Dolwyddelen	6	6	37	43	236	5	39	4	1
11. Dolgarrog	15	15	67	82	298	19	83	12	2
12. Deganwy and Llandudno Junction	60	58	269	327	1004	49	261	25	23

13. Deiniolen	54	50	191	241	512	40	238	26	16
14. Edern and Tydweiliog ..	14	14	57	71	253	18	50	12	7
15. Eifl	14	13	93	106	291	17	116	8	6
16. Efailnewydd	22	23	59	82	389	24	126	13	7
17. Fourcrosses	10	10	72	82	244	19	83	8	2
18. Garn	14	11	45	56	197	12	55	7	4
19. Llanberis	41	37	351	388	479	36	418	12	20
20. Llanengan & Llangian ..	38	38	157	195	446	33	154	21	8
21. Llanwnda	36	34	119	153	385	29	205	12	19
22. Llandwrog	40	36	208	244	597	44	133	20	12
23. Llanfairfechan and Aber ..	33	35	395	430	708	31	222	28	6
24. Llanrug	38	32	139	171	328	25	90	11	13
25. Nantlle Vale	66	73	461	534	813	74	369	45	32
26. Nevin	32	28	144	172	446	31	138	19	8
27. Ogwen Bethesda .. .. Llanllchid & Tregarth ..	94	88	276	364	1221	66	328	45	22
28. Penmorfa	11	9	44	53	201	10	40	8	1
29. Pwllheli	50	51	291	342	456	51	230	24	20
30. Portdinorwic	34	34	111	145	646	32	181	15	12
31. Penrhynside, ...	15	14	95	109	207	10	88	5	7
32. Penmaenmawr	46	42	123	165	527	36	138	14	20

District.	Total No. of Births.	No. of First Visits.	No. of Revisits.	Total No. of Visits.	Visits to children between :— 1 and 5 years of age.	Expectant Mothers. First Visits.	Expectant Mothers. Total Visits.	Midwifery No. of Cases Midw.	Midwifery No. of Cases Mat
33. Portmadoc	77	69	224	393	779	46	428	29	10
34. Penmachno and Cwm ..	17	17	73	90	321	16	67	8	8
35. Sarn and District	26	23	231	254	271	23	89	17	9
36. Trefriw	11	11	64	75	125	10	98	5	3
37. Trefor	4	6	56	62	174	6	36	1	3
38. Waenfawr	14	18	80	98	267	16	60	11	3
39. Llandegai & Glasinfryn ..	13	13	60	73	281	7	22	—	—
40. Yspytty Ifan	2	2	72	74	12	16	48	—	—
Totals	1542	1542	9215	10857	20,487	1102	5818	547	370

INFANT WELFARE CENTRES.

Clinic Centre.	*Sessions held*	*Day and Time of Meeting.*	*Average Attendance of Children per Session.* 1938	1937	*No. who attended for first time.* *Children under 1 year*	*Children between 1 and 5 years*	*Clinic Medical Officers.*
BETHESDA : Glanogwen Church House	Twice monthly.	2—4 p.m. 1st & 3rd Friday.	68	57	86	5	Dr. A. Pritchard. Drs. E. Lloyd Ellis & Mostyn Williams.
BANGOR : Girl Guides Hut. ..	Weekly	2—4 p.m., Thursdays	96	98	100	19	Dr. Idwal Griffith. Dr. D. Lancaster.
CAERNARVON : New General Clinic	Twice monthly.	2 p.m. 1st & 3rd Wednesdays.	71	55	68	31	Assistant C.M.O.
CONWAY : Drill Hall	Monthly	2.30 p.m. last Tuesday in month	41	51	33	6	Drs. Gater, Thomas & Mathias, Page Thomas & Tattersal.
CRICCIETH : Memorial Hall	Monthly	2.30 p.m. first Tuesday in month.	38	37	18	3	Dr. Rees Prytherch. Dr. O. Lewis Jones.
DEINIOLEN : Free Library	Twice Monthly.	2—4 p.m. 1st & 3rd Wednesday.	40	36	41	3	Dr. J. P. Marren. Dr. J. Douglas Jones.
DOLGARROG : Clinic Centre	Twice monthly.	2.30 p.m., 2nd and 4th Wednesday in each month.	23	25	14	4	Dr. A. Thompson Hill.
GROESLON : The Institute	Monthly	2 p.m. Last Wednesday in each month.	31	20	15	–	Dr. E. H. Griffiths.
GREAT ORME : Council School, Llandudno.	Twice Monthly.	3.15 p.m. 2nd & 4th Fridays in month.	17	24	6	8	Dr. MacEwan. Dr. McWilliam. Dr. J. Reay.
LLANBERIS : Drill Hall ..	Twice Monthly.	2 p.m. 2nd & 4th Wednesdays.	34	31	37	9	Dr. I. Wynne Jones. Dr. J. Douglas Jones.

INFANT WELFARE CENTRES.—Continued.

Clinic Centre.	*Sessions held*	*Day and Time of Meeting.*	*Average Attendance of Children per Session.* 1938	1937	*No. who attended for the first time.* *Children under 1 year*	*Children between 1 and 5 years*	*Clinic Medical Officers.*
LLANRUG : Memorial Institute and Cwmyglo Infants' School ..	Twice Monthly.	2 p.m. 2nd & 4th Wednesdays. 3 p.m. 2nd & 4th Wednesdays.	18	17	16	1	Dr. J. Douglas Jones. Dr. I. Wynne Jones.
LLANFAIRFECHAN AND ABER : Council Chambers	Twice Monthly.	2 p.m. 2nd & 4th Thursday in each month.	41	30	30	9	Drs. Bellis & Isaacs.
LLANDUDNO JUNCTION : Council School ..	Monthly	3.30 p.m., 2nd Thursday in each month	23	34	32	20	Dr. Hughes Williams. Dr. Roderick Davies.
LLANDUDNO : War Memorial Centre..	Weekly	2 p.m., Mondays	100	92	89	22	Dr. J. Reay. Dr. MacEwan. Dr. McWilliam.
NEVIN : Central School	Monthly.	2 p.m. 2nd Friday in month.	24	20	10	14	Drs. L. Hughes & Jones.
PENYGROES : Drill Hall	Monthly.	2 p.m., last Tuesday in month.	27	31	39	15	Dr. W. G. Owen. Dr. E. Rowlands.
PENMAENMAWR : Noddfa, ..	Twice Monthly.	2.30 p.m. 1st & 3rd Fridays.	49	54	36	—	Drs. Salter Ellis & Jones.
PORTMADOC : Girl Guides Hut ..	Twice Monthly.	2.30 p.m. 1st & 3rd Tuesdays.	55	32	52	17	Dr. E. H. Morris
PWLLHELI : Chapel Vestry, Ala Road	Twice Monthly.	2 p.m. 2nd & 4th Fridays.	14	9	17	8	Dr. Idris O. Jones. Dr. Glanville Evans. Dr. Charles Evans. Dr. T. H. Rhys.
RHOSTRYFAN : Horeb Schoolroom ..	Twice Monthly	2 p.m. 2nd & 4th Tuesdays.	22	30	16	7	Dr. E. H. Griffiths.
SARN : Memorial Hall	Monthly	2 p.m , first Friday	10	10	5	6	Dr. Lloyd W. Hughes
TREFOR : Village Institute	Twice Monthly	2 p.m. 1st & 3rd Tuesdays.	18	16	11	2	Dr. J. Ll. Rowlands.
WAENFAWR : M.C Vestry.	Monthly.	2 p.m. 4th Wednesday in month.	21	20	14	5	Dr. Miles.
		TOTALS	881	829	785	214	

CHILD LIFE PROTECTION.

(Sections 206 to 220 of the Public Health Act, 1936).

1. Notification :—

(*a.*) Number of persons on the Register who were receiving children for reward at the end of the year .. 17

(*b*) Number of children on the Register :—

(i) at the end of the year 17

(ii) who died during the year .. .. Nil.

(iii) on whom Inquests were held during the year Nil

2. Visiting :—

(i.) Number of Health Visitors holding appointments as Infant Protection Officers .. 5

No further action was taken under this Act during the year 1938.

DEATHS AND DEATH RATES.

The total number of deaths registered in the county during the year was 1837, or at a rate of 15.4 per 1,000 of the population.

The chief causes of death in the county were :—

Heart Disease	441
Cancer	276
Tuberculosis	153
Respiratory Diseases	136

In the Urban Districts, 919 deaths occurred, giving a rate of 13.7 per 1,000 of the population.

In the Rural Districts, 918 deaths occurred, giving a rate of 17.6 per 1,000 of the poulation.

CAUSES OF DEATH DURING 1938.

	Number of Deaths.						Death-rate per 1000 of population.
	Urban Districts.		Rural Districts		Whole County.		
	M	F	M	F	M	F	
All Causes	447	472	432	486	879	958	15.4
1. Typhoid and Paratyphoid Fevers	..	..	1	..	1	..	.008
2. Measles	1	..	..	..	1	..	.008
3. Scarlet Fever	..	..	..	..	..	..	..
4. Whooping Cough ..	..	..	2	5	2	5	.05
5. Diphtheria	2	..	..	4	2	4	.05
6. Influenza	4	6	10	8	14	14	.23
7. Encephalitis Lethargica ..	..	..	..	..	..	..	..
8. Cerebro Spinal Fever ..	..	..	..	..	..	..	..
9. Tuberculosis of respiratory system	34	18	48	29	82	47	1.08
10. Other Tuberculous diseases	4	6	4	10	8	16	.20
11. Syphilis	2	..	..	..	2	..	.01
12. General paralysis of the insane tabes dorsalis ..	1	..	2	1	3	1	.03
13. Cancer, malignant disease	62	83	53	78	115	161	2.3
14. Diabetes	3	5	4	3	7	8	.12
15. Cerebral Haemorrhage &c	24	32	24	40	48	72	1.01
16. Heart Disease	121	107	98	115	219	222	3.7
17. Aneurysm	..	..	1	..	1	..	.008
18. Other circulatory diseases	35	32	23	26	58	58	.97
19. Bronchitis	7	11	11	16	18	27	.37
20. Pneumonia	23	13	21	16	44	29	.61
21. Other respiratory diseases	7	7	3	1	10	8	.15
22. Peptic Ulcer	4	1	7	5	11	6	.14
23. Diarrhoea, etc.	..	1	2	..	2	1	.02
24. Appendicitis	1	2	2	2	3	4	.05
25. Cirrhosis of liver ..	1	..	..	1	1	1	.01
26. Other diseases of liver etc.	2	3	..	1	2	4	.05
27. Other digestive diseases ..	9	15	4	9	13	24	.31
28. Acute & Chronic Nephritis	28	25	17	25	45	50	.80
29. Puerperal Sepsis	..	2	..	2	..	4	.03
30. Other Puerperal causes ..	..	3	..	2	..	5	.04

31. Congenital debility, premature birth, malformations etc.	9	18	18	9	27	27	.45
32. Senility	7	18	13	26	20	44	.53
33. Suicide	4	2	3	..	7	2	.07
34. Other violence	14	9	19	11	33	20	.44
35. Other defined diseases ..	37	51	37	39	74	90	1.38
36. Causes ill-defined or unknown	1	2	5	2	6	4	.08

AGE AND SEX DISTRIBUTION OF DEATHS.

Sex.	*All ages*	*Under* 1	1	–2	–5	–15	–25	–35	–45	–55	–65	–75
Males ..	879	48	3	4	9	26	35	54	83	167	244	206
Females ..	958	47	2	7	16	26	35	45	77	135	248	320

TUBERCULOSIS.

During the year Tuberculosis was responsible for 153 deaths, a rate of 1.2 per 1,000 of the population.

Table shewing the number of registered deaths (and the death-rate per 10,000 of the population) from Tuberculosis during the last 10 years :—

Year.	*Number of registered deaths from T.B.*	*Death-rate from Tuberculosis per* 10,000 *of the population.*
1929	160	 12
1930	153	 12
1931	185	 15
1932	152	 12
1933	148	 12
1934	142	 11
1935	146	 12
1936	147	 12
1937	155	 13
1938	153	 12

SUMMARY OF NOTIFICATIONS DURING THE PERIOD FROM THE 1st JANUARY, 1938 TO THE 31st DECEMBER, 1938

Age Periods.	*Formal Notifications.*												*Total Notifications*
	Number of Primary Notifications of new cases of tuberculosis.												
	0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	*Total (all ages).*	
Pulmonary Males ..	..	1	..	1	10	9	22	17	16	19	10	105	112
Pulmonary Females ..	..	..	..	2	13	15	18	7	2	7	6	70	73
Non-Pulmonary Males ..	..	3	4	4	3	5	5	1	..	2	..	27	29
Non-Pulmonary Females	..	1	3	2	1	5	5	1	2	1	2	23	23

SUPPLEMENTAL RETURN.

NEW CASES OF TUBERCULOSIS COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH DURING THE ABOVE-MENTIONED PERIOD, OTHERWISE THAN BY FORMAL NOTIFICATION.

Age Periods	0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	*Total.*
Pulmonary Males	..	..	..	..	1	1	1	2	2	3	4	14
Pulmonary Females	..	..	..	..	..	..	2	..	1	2	1	6
Non-Pulmonary Males ..	1	..	..	..	..	..	..	..	..	..	..	1
Non-Pulmonary Females ..	..	1	..	1	..	1	1	1	..	..	1	6

Source of Information.	*No. of Cases.*	
	Pulmonary.	*Non-Pulmonary.*
Death Returns :—		
Fron Local Registrars	17	7
Transferable Deaths from Registrar General	—	—
Posthumous notifications	3	—
" Transfers " from other areas (other than transferable deaths)	—	—
Other Sources, if any (specify)	—	—

NOTIFICATION REGISTER.

	Pulmonary.			*Non-Pulmonary.*			*Total cases.*
	Males.	*Females.*	*Total.*	*Males.*	*Females*	*Total.*	
Number of cases of Tuberculosis remaining at the 31st December, 1938, on the Registers of Notifications kept by— District Medical Officers of Health in the County	717	568	1285	286	226	512	1797
Number of cases *removed* from the Registers during the year by reason of :—							
1. Lost sight of ..	12	10	22	6	2	8	30
2. Withdrawal of notification and left District	9	12	21	..	4	4	25
3. Recovery from the disease ..	7	4	11	4	6	10	21
4. Death (all causes)	62	42	104	4	6	10	114

DISTRIBUTION OF MORTALITY DURING THE YEAR 1938.

	Age Periods.										
	0	1	2	5	15	25	35	45	55	65 *and upwards*	*Total*
PULMONARY.											
Males ..	..	..	..	..	12	8	13	15	21	13	82
Females ..	..	..	..	1	14	12	5	4	6	5	47
NON-PULMONARY											
Males ..	1	1	1	..	..	3	1	..	..	1	8
Females ..	..	..	2	2	1	4	3	..	..	4	16
	1	1	3	3	27	27	22	19	27	23	153

It was not necessary to take acting during the year under the Public Health (Prevention of Tuberculosis) Regulations, 1925, nor under Section 62 of the Public Health Act, 1925.

Table 1

SHOWING THE WORK OF THE CLINICS DURING THE YEAR ENDED DECEMBER 31, 1938

Diagnosis.	Pulmonary.				Non-Pulmonary.				Total.				Grand Total
	Adults.		Children.		Adults.		Children.		Adults.		Children.		
	M	F	M	F	M	F	M	F	M	F	M	F	
A.—NEW CASES examined during the year (excluding contacts).													
(a) Definitely tuberculous	69	51	1	1	12	3	5	2	81	54	6	3	144
(b) Diagnosis not completed	..	..	..	..	..	..	..	..	7	8	1	4	20
(c) Non-Tuberculous	..	..	..	..	..	..	..	..	144	135	106	107	492
B.—CONTACTS examined during the year :—													
(a) Definitely tuberculous	..	..	..	1	..	..	..	..	..	..	..	1	1
(b) Diagnosis not completed	..	..	..	..	..	..	..	..	..	..	1	6	7
(c) Non-Tuberculous	..	..	..	..	..	..	..	..	12	40	140	144	336
C.—CASES written off the Register as :—													
(a) Recovered	15	11	5	6	4	8	11	11	19	19	16	17	71
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Register as Tuberculous)	..	..	..	..	..	..	..	..	164	182	249	260	855
D.—NUMBER OF CASES on Register on December 31st :—													
(a) Definitely Tuberculous	229	147	15	8	34	38	41	28	263	185	56	36	540
(b) Diagnosis not completed	..	..	..	..	..	..	..	..	4	4	2	10	20

TABLE 1. (Continued).

Number of :—

1. Cases on Register on January 1st	675
2. Cases transferred from other areas and cases returned after discharge under Head 3 in previous years	40
3. Cases transferred to other areas, cases not desiring further assistance under the scheme, and cases "lost sight of."	119
4. Cases written off during the year as Dead (all causes)	110
5. Attendances at the Clinics (including Contacts)	1352
6. Insured Persons under Domiciliary Treatment on the 31st December.	237
7. Consultations with medical practitioners :—	
(*a*) Personal	111
(*b*) Other	1662
8. Visits by Tuberculosis Officers to homes (including personal consultations.)	313
9. Visits by Nurses or Health Visistors to homes of patients	3048
10.	
(*a*) Specimens of sputum etc., examined	180
(*b*) X-Ray examinations made in connection with Clinic work ..	660
11. "Recovered" cases restored to Register, and included in A (*a*) and A (*b*) above.	2
12. "T.B. plus" cases on Register on December 31st.	184

Table 2 **SHOWING THE EXTENT OF RESIDENTIAL TREATMENT AND OBSERVATION DURING THE YEAR IN INSTITUTIONS APPROVED FOR THE TREATMENT OF TUBERCULOSIS.**

		In Institutions on Jan. 1st	*Admitted during the year.*	*Discharged during the year.*	*Died in Institutions.*	*In Institutions on Dec. 31st.*
Number of doubtfully Tuberculous cases admitted for observation	Adult Males	2	20	18	..	4
	Adult Females	..	17	16	..	1
	Children	6	28	23	..	11
	Total	8	65	57	..	16
Number of patients suffering from Pulmonary Tuberculosis	Adult Males	44	86	70	23	37
	Adult Females	23	61	49	10	25
	Children	1	5	3	..	3
	Total	68	152	122	33	65
Number of patients suffering from non-pulmonary tuberculosis	Adult Males	5	4	2	..	7
	Adult Females	6	6	7	..	5
	Children	6	3	4	..	5
	Total	17	13	13	..	17
Grand Total		93	230	192	33	98

Table 3.

SHOWING THE RESULTS OF OBSERVATION OF DOUBTFULLY TUBERCULOUS CASES DISCHARGED DURING THE YEAR FROM INSTITUTIONS APPROVED FOR THE TREATMENT OF TUBERCULOSIS1,

Diagnosis on Discharge from Observation	Pulmonary Cases.												Non-Pulmonary						Totals.		
	Sanatorium.						*Hospital.*														
	Stay under 4 weeks			*Stay over 4 weeks.*			*Stay Under 4 weeks.*			*Stay over 4 weeks.*			*Stay under. 4 weeks.*			*Stay over 4 weeks.*					
	M	*W*	*Ch.*	*M*	*W*	*Ch.*	*M*	*W*	*Ch*	*M*	*W*	*Ch*	*M*	*W*	*Ch*	*M*	*W*	*Ch*	*M*	*W*	*Ch*
Tuberculous	1	2	..	1	2	..	5	2	..	5	..	..	..	..	..	2	..	..	14	6	..
Non-Tuberculous	..	..	..	..	1	11	..	1	..	1	3	1	..	..	..	..	1	3	1	6	15
Doubtful ..	..	..	..	..	..	2	2	2	..	1	2	1	..	..	2	..	..	3	3	4	8
Totals ..	1	2	..	1	3	13	7	5	..	7	5	2	..	..	2	2	1	6	18	16	23

Table 4.

SHOWING THE IMMEDIATE RESULTS OF TREATMENT OF DEFINITELY TUBERCULOUS PATIENTS DISCHARGED DURING THE YEAR FROM INSTITUTIONS APPROVED FOR THE TREATMENT OF TUBERCULOSIS.

SANATORIUM (PULMONARY CASES).

Duration of Treatment

Classification on admission to the Institution.	*Condition at time of discharge.*	**Under 3 months.*			*3—6 months.*			*6—12 months.*			*More than 12 mths.*			
		M	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	*Total*
Class T.B. Minus	Quiescent	..	..	..	1	..	..	..	3	..	..	1	..	5
	Not Quiescent	..	1	..	..	..	..	1	..	..	1	1	..	4
	Died	..	..	..	..	..	..	..	..	..	1	..	..	1
Class T.B. Plus Group 1.	Quiescent	..	..	..	..	..	..	..	..	..	1	..	..	1
	Not Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Class T. B. Plus Group 2	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	..	..	..	..	..	..	..	..	..	1	..	..	1
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Class T.B. Plus Group 3	Quiescent	..	..	..	..	..	..	..	..	..	1	..	..	1
	Not Quiescent	..	..	..	..	..	..	..	..	..	2	..	..	2
	Died	1	..	..	..	..	..	..	..	..	..	..	..	1
Totals		1	1	..	1	..	..	1	3	..	7	2	..	16

*But exceeding 28 days.

Table 5. **SHOWING THE IMMEDIATE RESULTS OF TREATMENT OF DEFINITELY TUBERCULOUS PATIENTS DISCHARGED DURING THE YEAR FROM INSTITUTIONS APPROVED FOR THE TREATMENT OF TUBERCULOSIS.**

HOSPITAL (PULMONARY CASES).

Duration of Treatment

Classification on admission to Institution.	*Condition at time of discharge.*	**Under 3 months.*			*3—6 months.*			*6—12 months.*			*More than 12 mths.*			*Total.*
		M	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	
Class T.B. Minus	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	7	3	2	11	2	1	..	1	..	..	..	..	27
	Died	2	..	..	..	..	..	..	..	..	..	..	..	2
Class T.B. Plus Group 1.	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	1	1	..	2	..	..	..	..	..	..	..	..	4
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Class T.B. Plus. Group 2.	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	5	6	..	12	5	..	1	1	..	..	..	..	30
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Class T.B. Plus. Group 3.	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	5	1	..	9	5	..	4	8	..	..	1	..	33
	Died	7	6	..	3	2	..	2	1	..	2	..	..	23
Totals		27	17	2	37	14	1	7	11	..	2	1	..	119

*But exceeding 28 days.

Table 6. SHOWING THE IMMEDIATE RESULTS OF TREATMENT OF DEFINITELY TUBERCULOUS PATIENTS DISCHARGED DURING THE YEAR FROM INSTITUTIONS APPROVED FOR THR TREATMENT OF TUBERCULOSIS.

HOSPITAL (NON-PULMONARY CASES).

Duration of Treatment

Classification on admission to Institution.	*Condition at time of discharge.*	**Under 3 months.*			*3—6 months.*			*6—12 months.*			*More than 12 mths.*			*Total.*
		M	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	
Bones and Joints	Quiescent	..	..	1	..	..	..	..	1	..	..	..	..	2
	Not Quiescent	..	..	..	..	..	..	1	1	..	..	..	..	2
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Abdominal	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	..	..	..	..	1	..	..	..	..	..	..	..	1
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Organs	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	1	..	..	..	2	..	..	..	..	..	..	..	3
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Peripheral Glands.	Quiescent	..	..	..	..	..	..	..	..	1	..	..	..	1
	Not Quiescent	..	..	1	..	..	..	..	..	1	..	..	..	2
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals		1	..	2	..	3	..	1	2	2	..	..	..	11

*But exceeding 28 days.

COUNTY OF CAERNARVON.

PUBLIC HEALTH ACT, 1936. SECTION 173 (2).

SCHEME FOR THE CARE OF PERSONS SUFFERING FROM TUBERCULOSIS.

Section 173 (2) of the Public Health Act, 1936, provides that the Council of a County or County Borough may make such arrangements as they think desirable for the after care of persons who have suffered from Tuberculosis.

The County Council for the Administrative County of Caernarvon with the object of making provision under the powers conferred upon the Council under the said Section will establish a Scheme for dealing with such cases as aforesaid, and it is proposed that the following arrangements be made :—

1. The Council shall establish a standing Committee of the Council to be known as " The Committee for the care of Tuberculous Patients," and all matters relating to the exercise of the powers of the Council under the recited statutory provision shall stand referred to the Committee subject as hereinafter mentioned.

2. The Committee shall consist of twenty four members of the Council together with one representative of each Sanitary Authority in the County.

The Tuberculosis Officer for the Area shall be invited to each meeting of the Committee.

3. The Council may also appoint as members of the Committee not more than five persons specially qualified by training or experience in subjects relating to nursing or prevention or treatment of Tuberculosis.

4. Subject to the provision of this Scheme and to such general or special restrictions or conditions as the Council may from time to time impose the Committee shall discharge the functions of the Council under the said recited Section and in particular the following matters :—

(A). The consideration and examination of applications and recommendations of Officers with regard to :—

(i.) The provision of skilled nursing for patients in their own homes.

(*a*) For cases not requiring constant nursing by arrangement with the County Nursing Association and District Nursing Association.

(*b*) For cases requiring constant nursing by the engagement or appointment of nurses or such other methods as the Council may from time to time decide.

(ii.) The provision of extra nourishment, suitable clothing, bed and/or bedding, &c., for the patient in necessitous cases.

(iii.) The provision of financial assistance or assistance in kind for the patient in necessitous cases, and also, in such cases, for the family where the wage earner is the person affected, so far as the Council has power to do so.

(iv.) The provision of temporary care or protection for children where the mother is the person affected.

(v.) The provision of suitable clothing, &c., for necessitous patients to enable them to enter Institutions.

(vi.) Assisting patients capable of being employed in obtaining suitable employment.

(B). The determination of the nature and the amount of the assistance and provision to be given or made in the foregoing cases.

(C). To assist in finding more suitable housing accommodation for a patient living in unsuitable surroundings or in an overcrowded house.

(D). The dealing with cases of infectious patients.

The Committee shall arrange for temporary accommodation or homes for children where residence in their own homes is considered undesirable from the point of view of infection.

(E). The provision in suitable cases of open-air shelters and bedding therefor for patients or contacts and assisting in finding suitable sites for the erection of such shelters where the conditions do not permit the erection thereof on land adjacent to the residence of the patient.

(F). The provision of home help in cases where the mother is the person affected, and is unfit to carry out all her home duties or where the carrying out of such duties is detrimental to her recovery.

(G). The provision of preventive treatment for children in need thereof (subject to any provision made for such cases by the King Edward VII. Welsh National Memorial Association).

(H). As far as legally authorised the making of such arrangements and provisions as will facilitate the acceptance of Institutional treatment by the patient.

(I). The taking of such action amd making such provision as will be found necessary and desirable in individual cases not met by the foregoing provided such action or provision is within the power of the Council and within the scope of any direction that the Council may from time to time make in regard to their functions under the recited statutory provision.

With regard to the foregoing matters, the Committee shall have power to act subject to reporting their action thereon to the Council, and subject also to the limit of expenditure that may from time to time be fixed by the Council.

5. For the purposes of carrying out the aforesaid functions, the Committee shall arrange :—

(*a*) For the notification by the Welsh National Memorial Association to the County Medical Officer of Health of all patients suffering from Tuberculosis including those to be dealt with under this scheme, together with such details and particulars as may be agreed and a full report on all contacts examined.

(*b*) That on receipt of such notification the County Medical Officer of Health will arrange for the patient to be visited by a Medical Officer or a Health Visitor, who will prepare a full report upon the general condition of the home, &c.

(*c*) That such report shall be submitted to the following meeting of the Committee with the recommendation of the County Medical Officer of Health thereon, and a copy sent to the Tuberculosis Medical Officer.

(*d*) That the patient and the homes be visited at regular intervals at least once a month by one of the Council's fully qualified Health Visitors, who shall report to the County Medical Officer of Health upon the general condition of the patient, the home conditions, and contacts. Where considered necessary such latter report shall contain particulars of the financial circumstances of the patient.

(*e*) In cases of other than casual financial assistance or assistance in kind no order for such assistance shall extend for a period exceeding 14 weeks at any one time and all such cases shall be reviewed by the Committee at least once quarterly upon reports submitted by the County Medical Officer of Health.

(*f*) That arrangements for nursing shall be made in manner hereinbefore provided, and that all cases be under the control of the County Medical Officer of Health, acting in co-operation with the Tuberculosis Medical Officer.

(*g*) That the Tuberculosis Officer shall, when necessary, report to the County Medical Officer of Health on any matter adversely affecting the progress of the patient or the health of the family.

6. The Committee shall make every effort to secure the co-operation of the Sanitary Authorities in the County with regard to housing and sanitation, and all other matters in regard to which the powers and functions of such Authorities will be of assistance to the Committee in carrying out its duties.

CANCER.

During 1938, the number of deaths certified as being due to Cancer was 276, or at a rate of 2.3 per 1,000 of the population, as compared with a rate of 2.1 for the year 1937.

The 276 deaths occurred in the following districts :—

Urban.		Rural.	
Bangor	21	Nant Conway	14
Bethesda	12	Gwyrfai	56
Bettwsycoed	1	Lleyn	49
Caernarvon	20	Ogwen	12
Conway	19		
Criccieth	5		
Llandudno	35		
Llanfairfechan	6		
Penmaenmawr	6		
Pwllheli	6		
Portmadoc	14		
Total	145		131

AGE AND SEX DISTRIBUTION OF DEATHS.

Sex	*All Ages*	*Under* 1	1—	2—	5—	15—	25—	35—	45—	55—	65—	75
Males	115	..	..	..	..	..	1	1	11	31	47	24
Females	161	..	..	..	..	..	..	10	17	41	49	44

Deaths from Cancer in this county during the last 10 years.—

Year	*Number of Deaths.*	*Death-rate per* 1,000 *of the population.*
1929	240	1.9
1930	254	2.0
1931	274	2.3
1932	262	2.1
1933	253	2.1
1934	244	2.0
1935	298	2.4
1936	285	2.3
1937	251	2.1
1938	276	2.3

ZYMOTIC MORTALITY.

Eighteen deaths occurred from the principal Zymotic Diseases.

Disease.	*No. of deaths.*	*Death-rate per 1,000 of the population.*	
		Caernarvonshire	*England & Wales*
Infantile Diarrhoea	3	* 1.8	*5.5
Diphtheria ..	6	.05	.07
Measles ..	1	.008	.04
Whooping Cough ..	7	.05	.03
Scarlet Fever ..	Nil.	—	.01
Typhoid and Para-typhoid ..	1	.008	.00

*Rate per 1,000 Live Births.

DEATHS FROM THE MAIN DISEASES ALLOCATED TO DISTRICTS.

Districts.	*Zymotic.*	*Heart.*	*Respiratory Diseases.*	*Tuberculosis.*
RURAL DISTRICTS :				
Nant Conway	1	27	10	9
Gwyrfai	6	101	26	53
Lleyn	5	56	27	20
Ogwen	2	29	5	9
URBAN DISTRICTS.				
Bangor	Nil.	41	9	6
Bethesda	Nil.	20	8	4
Bettwsycoed	Nil.	3	Nil.	4
Caernarvon	Nil.	29	8	11
Conway	4	27	11	11
Criccieth	Nil.	9	3	2
Llandudno	Nil.	51	12	6
Llanfairfechan	Nil.	10	7	3
Penmaenmawr	Nil.	10	3	2
Pwllheli	Nil.	11	4	6
Portmadoc	Nil.	17	3	7
Rural Districts	14	213	68	91
Urban Districts	4	228	68	62
Total for county ..	18	441	136	153

NATIONAL CAMPAIGN TO ENCOURAGE THE WIDER USE OF THE HEALTH SERVICES (OCTOBER, 1937 TO MARCH, 1938).

Supplies of posters, folders, display cards, traffic notices and bookmarks were received from the Central Council for Health Education for distribution during the period October, 1937, to March, 1938 and sufficient supplies of these were sent to the following :—

(*a*) School Attendance Officers for the use of the Elementary, Central and Secondary Schools in the County.

(*b*) Local Boy Scouts Associations for exhibition in the principal shops, waiting rooms, surgeries, offices of friendly societies, voluntary associations, insurance companies, British Legion Clubs, Y.M.C.A.'s, etc.

(*c*) Crosville Motor Services.—Display cards for posting up in their public vehicles.

(*d*) District Nurses and Independent Midwives.—Supply of folders for distribution to patients and expectant mothers.

(*e*) Infant Welfare Clinics.—Posters for display and Folders for distribution to mothers.

(*f*) Women's Institutes.—Posters for display on the notice boards of Chapels, Churches, and other public buildings in the district; also folders for the use of members of the Women's Institute.

(*g*) Sanitary Inspectors.—Posters and display cards.

(*h*) Public Libraries.—Bookmarks for insertion in the library books issued.

(*i*) Appropriate Health Films were also shown in some of the Cinematograph Halls in the County.

Four separate series of parcels containing posters, etc., were sent; approximately 117,000 pieces of literature were despatched.

A booklet giving information about the Health Services provided by the County Council was sent to all the Post Offices, Village Institutes and Public Libraries in this County at the beginning of December, 1937.

COUNTY HOSPITAL, BANGOR.

STATISTICS RELATING TO THE YEAR 1ST APRIL TO 31ST DECEMBER, 1938.

(A). IN-PATIENTS.

Total number of :—

(1). Admissions (including infants born in hospital) ..	412
(2). Women confined in hospital	166
(3). Live births	144
(4) Still Births	22
(5). Deaths among the newly-born (i.e. under four weeks of age)	6
(6). Deaths among children under one year (including those given under 5)	6
(7). Maternal deaths among women admitted to hospital for confinement..	3
(8). Deaths	19
(9). Discharges (including infants born in Hospital) ..	356
(10). Duration of stay of patients included in 8 and 9 above—	
(*a*) Under four weeks	349
(*b*) Four weeks and under thirteen weeks ..	26
(*c*) Thirteen weeks or more	Nil.
(11). Number of beds occupied (excluding cots in maternity wards)—	
(*a*) average during the year	23
(*b*) Highest—on (date) 12/8/38	42
(*c*) Lowest—on (date) 29/12/38	19
(12). Number of surgical operations under general anaesthetic (excluding dental operations)	6
(13). Number of abdominal sections	18

	General.	*Maternity.*
Cases in hospital on 1st April, 1938 ..	47	5
Cases admitted during 9 months ending December, 1938	22 Medical 13 Surgical	204

GENERAL SURVEY OF THE NEW MATERNITY SERVICE AFTER ONE YEAR OF ACTIVITY.

1. The principal figures for the year in connection with the County Hospital Maternity Ward are as follows :—

Total admissions	291
Normal Confinements	188
(some were abnormal cases on admission)	
Abnormal Cases	170
Maternal Deaths	5
Infant Neo-Natal Deaths	6
Still Births	31
Emergencies sent in by practitioners ..	83

It will be seen from the above that the Maternity Department has developed rapidly and has proved of exceptional value to the County Health Services.

The type of work done will be realised when note is made of the fact that almost two-thirds of the cases admitted were abnormal cases, half of these being emergency admissions. The work of the Hospital therefore must not be judged by the apparent results, but, rather by the actual work done.

2. Emergency calls from Practitioners numbered 29, all being suitable cases.

3. The Clinics have developed satisfactorily and are being much appreciated by the Doctors, Nurses and Mothers.

Total number of cases seen at the 4 Clinics 327

Unless they are to become of the Consultative type an additional Clinic should be started at Caernarvon, and I would also suggest that when no Clinic is available, urgent cases could be seen at the County Hospital by appointment.

SOME GENERAL IMPRESSIONS.

THE CLINICS.

In my first quarterly report I stated "I am of the opinion that the type of mother we have amongst the local working class is of a poor constitution, probably because of under nourishment."

My experience since then has confirmed this beyond doubt, and I am of the opinion that this pitiful state of affairs is due mainly to poverty, ignorance and their mode of living. The Liverpool Slums and working class (amongst whom I worked for years) are of infinitely better physique.

A great number of the mothers do not realise the importance of prenatal care and fewer still understand the meaning of post-natal care. These are grossly negligent and there has been a great delay in many complicated cases before the mother has called a Doctor or Nurse.

(*Signed.*) O. VAUGHAN JONES.

Table giving particulars of the Isolation

District Served.	*Name of Hospital.*	*Accommodation.*		*Nursing Staff.*	*Total Patients admitted.*
		**No. of Beds.*	*No. of Wards.*		
Llandudno U.D.	Llandudno	28	11	5	61
Bangor Borough and by arrangement Ogwen, Bethesda and Llanfairfechan.	Bangor	20	10	6	128
Caernarvon and Pwllheli Boroughs. Criccieth & Portmadoc U.D., Lleyn, Gwyrfai R.D.	Caernarvon (Galltysil)	14	6	5	224
Conway Boro,' Nant Conway Rural, Penmaenmawr U.D., Bettwsycoed U.D., Llanrwst U.D., Hiraethog R.D.C. Aled R.D.C. (Part of)	Conway, Groesynyd	26	10	7	78

**Calculated on the Basis of* 144 *sq. ft. for each bed.*

SMALL POX.

Name of Hospital.—Glanrafon Small Pox Hospital, Caeathraw, Near Caernarvon.

Hospitals within the County and the Districts served.

Infectious Diseases.								*Number of Deaths.*		
Scarlet Fever		*Diphtheria.*		*Enteric.*		*Other Diseases*		*Scarlet Fever*	*Dip-theria*	*Other Diseases.*
M	*F*	*M*	*F*	*M*	*F*	*M*	*F*			
6	7	2	2	..	..	13	31	..	..	..
43	42	14	17	1	..	4	7	1	..	1
4	6	107	101	..	..	3	3	..	5	..
13	18	14	16	1	..	16	..	..	2	2

Area Served.—Caernarvonshire. *Accommodation.*—8 beds.

Summary of the Work performed in Hospitals and Public

Name of Hospital.	*No. of Beds.*			*Nursing Staff.*	*X Ray apparatus*	*Admissions.*		
						Medical		
	M	*F*	*Total*			*M*	*F*	*Total*
Voluntary Hospitals								
C. & A. Infirmary, Bangor ..	75	60	135	52	Yes.	210	223	433
Cottage Hospital, Caernarvon	7	7	14	6	Yes.	11	15	26
Madoc Memorial Hospital, .. Portmadoc	9	8	17	6	Yes.	38	71	109
Llandudno & District Hospital Llandudno	18	21	39	16	Yes.	90	85	175
Bryn Seiont Hospital, .. Caernarvon (Tuberculosis)	23	15	38	9	Yes.	74	42	116
Sick Wards P.A .Institutions Eryri Hospital, Caernarvon ..	28	35	63	7	No.	87	75	162
St. Mary's Hospital Conway	31	33	64	6	No.	63	45	108
"Cartref Institution," Pwllheli	14	21	35	4	No.	26	36	62

Assistance Institutions (Sick Wards) during the year 1938

Surgical.			Grand Total	No. of Discharges.			No. of deaths.		
M	F	Total		M	F	Total	M	F	Total
706	804	1510	1943	884	907	1881	58	42	100
95	95	190	216	99	109	208	7	1	8
91	102	193	302	130	164	294	2	1	3
248	294	542	717	..	..	667	16	27	43
3	6	9	125	61	42	103	18	6	24
17	31	48	210	79	78	157	22	18	40
11	6	17	125	53	32	85	15	19	34
1	2	3	65	17	23	40	9	13	22

INFECTIOUS DISEASES.

Incidence of Infectious Diseases (excluding Tuberculosis, particulars of which are on page 30), in the various Districts in the County during 1938.

DISEASES NOTIFIED.

District.	*Scarlet Fever.*	*Diphtheria.*	*Erysipelas.*	*Puerperal Pyrexia.*	*Pneumonia.*	*Other Diseases.*	*Total.*
RURAL:							
Nant Conway	4	4	1	..	..	..	9
Gwyrfai ..	43	149	7	..	2	1	202
Lleyn ..	32	4	4	1	14	1	56
Ogwen ..	12	6	2	..	1	..	21
URBAN:							
Bangor ..	57	13	1	10	1	5	87
Bethesda ..	16	..	3	..	..	..	19
Bettwsycoed	..	..	..	..	..	..	..
Caernarvon ..	7	45	1	1	1	..	55
Conway ..	11	26	2	2	10	..	51
Criccieth ..	..	1	..	1	..	1	3
Llandudno ..	14	4	10	..	25	1	54
Llanfairfechan	..	1	..	1	..	..	2
Penmaenmawr ..	2	..	3	..	7	1	13
Pwllheli ..	9	7	..	..	3	..	19
Portmadoc	4	..	..	..	..	..	4
Totals ..	211	260	34	16	64	*10	595

*Other Diseases include :—

Acute Poliomyelitis ..	3
Ophthalmia Neonatorum ..	6
Cerebro Spinal Fever ..	1
	10

VENEREAL DISEASES.

(*a*) The diagnosis and treatment of Venereal Diseases is undertaken at the Caernarvonshire and Anglesey Infirmary, Bangor. Six beds are retained in the Hospital for those patients requiring special treatment. Drs. J. H. E. Davis and R. J. Helsby attend the Clinic.

CLINIC SESSIONS.

Tuesdays	..Males	..Medical Officer—Dr. R. J. Helsby	..1 pm.—3 p.m.
Fridays	..Females	Medical Officer—Dr. J. H. E. Davis	2 p.m.—4 p.m.

(b) Return relating to Caernarvonshire cases who were treated at the Bangor Treatment Centre during the year ended the 31st December 1938.

Number of Cases.	*Syphilis.*		*Gonorrhoea.*		*Totals.*		*Totals*
	M	*F*	*M*	*F*	*M*	*F*	
1. On 1st January under treatment or observation	8	13	18	9	26	22	48
2. Removed from the register during any previous year which returned during the year under report for treatment or observation of the same infection	2	..	..	1	2	1	3
3. Dealt with for the first time during the year under report (exclusive of cases under Item 4) :—	14	6	40	14	54	20	74
4. Dealt with for the first time during the year under report known to have received treatment at other Centres for the same infection ..	..	..	5	..	5	..	5
Totals	24	19	63	24	87	43	130
5. Discharged after completion of treatment and final tests of cure ..	4	4	19	18	23	22	45
6. Which ceased to attend before completion of treatment and were, on first attendance, suffering from	1	..	..	2	1	2	3
7. Which ceased to attend after completion of treatment but before final tests of cure	..	..	9	..	9	..	9
8. Transferred to other centres or to Institutions or to care of private practitioners	..	..	..	..	..	..	..
9. Remaining under treatment or observation on 31st December.. ..	19	15	35	4	54	19	73
Totals	24	19	63	24	87	43	130
10. Number of attendances for individual attention of the Medical Officers ..	179	233	481	76	660	309	969
11. *In-patients.*							
(*a*) Total number of persons admitted for treatment during the year ..	2	2	10	7	12	9	21
(*b*) Aggregate number of " in-patient days " of treatment given ..	96	138	209	97	305	235	540

VENEREAL DISEASES.

(c) Summary of Caernarvonshire cases (with results) treated at the Caernarvonshire and Anglesey Infirmary, Bangor, during the years 1924 to 1938.

SYPHILIS.

Year.	*Number attended.*		*Number treated.*		*Left off treatment.*		*Transferred to other Centres etc.*		*Presumed Cured.*		*Still under Treatment.*	
	M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*
1924 ..	29	21	27	21	18	12	..	..	..	..	9	9
1925 ..	36	25	36	25	10	9	..	..	..	..	26	16
1926 ..	32	16	30	16	10	6	..	..	3	..	17	10
1927 ..	31	18	31	18	13	9	..	..	2	1	16	8
1928 ..	53	33	53	33	44	22	..	..	1	1	8	10
1929 ..	44	32	44	32	34	24	..	..	..	..	10	8
1930 ..	42	30	42	30	16	9	..	..	7	2	19	19
1931 ..	23	13	23	13	15	7	3	..	..	1	5	5
1932 ..	25	26	25	26	12	15	2	3	..	..	11	8
1933 ..	25	17	25	17	13	10	1	1	3	1	8	5
1934 ..	20	8	20	8	8	2	2	..	1	..	9	6
1935 ..	21	17	21	17	4	2	..	..	5	4	12	11
1936 ..	19	15	19	15	2	2	..	..	8	5	9	8
1937 ..	16	18	16	18	6	3	1	..	1	2	8	13
1938 ..	24	19	24	19	1	..	..	..	4	4	19	15
Totals ..	440	308	436	308	206	132	9	4	35	21	186	151

GONORRHOEA.

Year.	Number attended.		Number treated.		Left off treatment.		Transferred to other Centres etc.		Presumed Cured.		Still under Treatment.	
	M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*
1924 ..	24	5	24	3	19	..	..	..	4	2	1	1
1925 ..	26	16	26	16	11	3	..	..	5	7	10	6
1926 ..	30	9	30	9	6	..	..	..	7	2	17	7
1927 ..	31	21	31	21	16	8	..	..	3	2	12	11
1928 ..	59	24	59	24	48	15	..	..	4	1	7	8
1929 ..	56	18	56	18	36	11	4	1	4	..	12	6
1930 ..	55	26	55	26	8	4	2	..	8	2	37	20
1931 ..	37	13	37	13	28	4	..	..	1	1	8	8
1932 ..	43	18	43	18	22	14	1	..	7	1	13	3
1933 ..	40	28	40	28	28	13	..	..	4	9	8	6
1934 ..	39	19	39	19	7	7	..	..	13	7	19	5
1935 ..	42	24	42	24	10	4	..	..	13	15	19	5
1936 ..	48	22	48	22	4	2	..	..	26	15	18	5
1937 ..	52	26	52	26	10	2	2	..	22	15	18	9
1938 ..	63	24	63	24	9	2	..	..	19	18	35	4
Totals ..	645	293	645	291	262	89	9	1	140	97	234	104

Number attended—Syphilis and Gonorrhoea	1686
Cases found not to be suffering from Venereal Disease	42
Cases of Ophthalmia Neonatorum treated (1917-1938)	60
Total number of cases who have attended the Clinic	1788

BACTERIOLOGICAL AND PATHOLOGICAL ANALYSIS.

All Bacteriological specimens are sent to the Laboratories of The Clinical Research Association, London, and Pathological specimens are sent to the Thompson Yates Laboratory at the University of Liverpool. The results of the analysis etc., are sent direct to the General Practitioners and copies furnished to the County Medical Officer of Health.

During the year 119 Throat Swabs were taken by the Epidemic Nurse.

The number of specimens examined for the County Council during the financial year 1938—39 is as follows :—

	Number of Specimens	*Cost* £	*s.*	*d.*
(i.) Pathological	333	71	8	6
(ii,) Bacteriological	1283	212	4	8
Total	1616	£283	13	2
(iii.) Cost of Antitoxin :—				
At Isolation Hospital		£325	2	6

NATIONAL HEALTH INSURANCE.

Medical Benefits under the National Health Insurance Act are administered by the Caernarvonshire Insurance Committee.

There were 94 doctors on the Panel List of the county on the 1st January 1939.

The number of insured persons in the county and on doctors lists on the 1st January 1939 was 45,443 and 43,409 respectively.

The total number of prescriptions issued in 1938 to insured persons who receive their medicines from Chemists (apart from insured persons in rural areas who receive their medicines from doctors) was 137,666.

Average cost per prescription ..	9.50 pence
Average cost per insured person ..	42.32 pence
Frequency rate (average number of prescriptions per insured person)	4.45.

MENTAL DEFICIENCY ACTS, 1913—1938.

The provisions of the Mental Deficiency Acts 1913—1938 are administered by a Statutory Committee consisting of members of the County Council and co-opted members.

PARTICULARS OF MENTAL DEFECTIVES AS ON 1ST JANUARY, 1939.
(*A*) "Subject to be dealt with" by the Local Authority.
(*B*) Who may become "Subject to be dealt with" by the Local Authority.

A.—NUMBER OF CASES "SUBJECT TO BE DEALT WITH":—

	M	*F*	*T*
1. Under "Order":—			
(*a*) (1) **In Institutions** (Excluding cases on Licence).			
Under 16 years of age	2	2	4
Aged 16 years and over	12	27	39
(2) **On Licence from Institutions:—**			
Under 16 years of age			Nil
Aged 16 years and over	4	4	8
(*b*) (1) **Under Guardianship (excluding cases on Licence):—**			
Under 16 years of age			Nil
Aged 16 years and over	7	5	12
(2) **On Licence from Guardianship:—**			
Under 16 years of age			Nil
Aged 16 years and over			Nil
2. In "Places of Safety"			
Under 16 years of age			Nil
Aged 16 years and over			Nil
3. Under Statutory Supervision.	4	8	12
Of whom:			
Awaiting removal to an Institution	4	8	12
4. Action not yet taken under any of the above headings:—			
(*a*) Notified by Local Education Authorities (Sec. 2 (2)).	2		2
(*b*) Mental Defectives in receipt of Poor Relief:—			
(1) **Institutional**			
(*a*) In Public Assistance Institutions not approved under Sec. 37	6	3	9
(*b*) In Institutions certified under the M.D. Acts, (including those approved under section 37):—			
1. Cases "Placed" under Sec. 3			Nil
2. Other Cases			Nil

(2) **Domiciliary**	38 ..	55 ..	93
(c) Otherwise "ascertained"			..Nil

B.—NUMBER OF CASES WHO MAY BECOME "SUBJECT TO BE DEALT WITH" :—

1. In Institutions or under Guardianship dealt with under Sec. 3 :—

(a) In regard to whom the Local Authority contributes under its permissive powers .. ..Nil

(b) Maintained wholly by parents, relatives or others .. ..Nil

(2) Reported to the Local Authority from any reliable source and recognised by them as mentally defective but as to whom no action under the M.D. Acts has been taken.

(a) Children between the ages of 14 and 16 years			Nil.
(Of whom, number, if any, under Voluntary Supervision)			Nil.
(b) All other cases (Of whom, number, if any, under Voluntary Supervision) ..	55 ..	36 ..	91
Number of above cases on the Registers of Occupation and Industrial Centres			Nil.

Under Statutory Supervision	..Nil.
Under Voluntary Supervision	..Nil
On Licence from Institutions	..Nil
Under Guardianship	..Nil
On Licence from Guardianship	..Nil

DURING THE YEAR 1938.

1. (a) Number of Instances in which Licence was granted during 1938 :—

	M	F	T
From Institutions			..Nil
From Guardianship			..Nil

(b) Number of instances in which cases on Licence have been returned to Institutions or transferred to Guardianship during the year

	M	F	T
To Institutions			Nil
To Guardianship			Nil

2. Cases notified by Local Education Authorities (Section 2 (2) during the year 1938 :—

Method of Disposal	*M*	*F*	*T*
Sent to Institutions (by Order)	1	1	2
Placed under Guardianship (do.)	..	..	..
Placed under Statutory Supervision	..	..	..
Placed in Places of Safety	..	..	..
Died or Removed from Area	..	..	..
Action not yet taken	..	..	..
In receipt of Poor Relief	2	..	2
Others	..	..	..
Total	3	1	4

3. Of the Total number of Mental Defectives known to the Local Authority.

(*a*) Number who have given birth to Children during 1938 :—

After Marriage .. .. ..Nil

While unmarried .. .. Nil

(*b*) Number who have married during 1938 ..Nil

LIST OF MEMBERS OF THE MENTAL DEFICIENCY COMMITTEE.

Chairman—Councillor W. A. Roberts.

Alderman William George
,, O. Wynne Griffiths.
,, Isaac Jones.
,, John Owen.
,, J. R. Pritchard.
,, J. W. Pritchard.
,, E. Hugheston Roberts.
Councillor D. A. Bryan.
,, Mrs. E. Darbishire.
,, H. Dowler.
,, Owen Ellis.
,, Humphrey Evans.
,, Mrs. Anne Fisher.
,, Mrs. E. Griffiths.
,, Griffith Griffiths.
,, R. J. Helsby.
,, Robert Hughes.
,, J. T. Jarrett.
,, E. R. Jones.
,, J. T. Jones.
,, Thomas Jones.
,, D. J. Lewis.
,, Mrs. E. M. Marks.
,, Mrs. E. S. O'Regan.
,, O. Gwyrfai Owen.
,, Robert Owens.
,, Hugh Parry.

Councillor R. J. Parry (Conway).
,, R. D. Parry.
,, J. E. Payne.
,, R. F. Price.
,, J. Evan Roberts.
,, J. Howel Roberts.
,, Robert Roberts.
,, W. W. Spier.
,, Richard Thomas.
,, G. R. Williams.
,, John Williams.
,, W. Hugh Williams.
,, G. H. Winstanley.
,, D. A. Price White.

Co-opted Members :—
Mrs. J. B. Breese.
Mrs. R. Gwyneddon Davies.
Mrs. W. George.
Mrs. E. Gruffydd.
Miss Hilary Humphreys.
Mrs. W. Morris Jones.
Hon. Mrs. Lloyd Mostyn.
Mrs. Mary Parry.
Lady Williams.
Mrs. E. Hugheston Roberts.

ASCERTAINMENT.

Careful School Records of mentally defective children are kept, and these form the main source of ascertainment. Relieving Officers, Welfare Workers, Probation Officers and the Police also report cases to the Medical Officer of Health. All cases are personally examined by the Medical Officer of Health.

INSTITUTIONS.

Defectives are accommodated in the following Institutions :—

Males.	*Females.*	*Institution.*	*Authority.*
11	14	Llys Ednyfed, Penrhyndeudraeth	Merionethshire C.C.
3	9	Bodfan, Caernarvon	Caernarvonshire C.C.
—	4	Ashton House Certified Institution, Oxton, Birkenhead	—
—	2	Coed Du Hall Certified Institution, Rhydymwyn, Nr. Mold	Denbighshire C.C.

GUARDIANSHIP.

Twelve cases are under guardianship and this form of care is encouraged. The Medical Officer of Health, the Assistant School Medical Officer and the Health Visitors periodically visit all cases under guardianship.

OCCUPATION CENTRES AND HOME TRAINING.

There are no Occupation Centres in the county and defectives do not receive home training.

LICENCE, DISCHARGE AND AFTER CARE.

Eight defectives are on licence from Institutions and are kept under observation.

One case has been discharged from the Order.

BLIND PERSONS ACTS, 1920 & 1938.

NORTH WALES SOCIETY FOR THE BLIND.

SUMMARY OF SOCIETY'S WORK DURING YEAR ENDED MARCH 31ST, 1939
COUNTY OF CAERNARVON.

Number of—	*Males.*	*Females.*	*Total.*
Registered Blind last year	144	170	314
Registered present year	154	176	330
New Cases	24	40	64
Cases transferred in	3	1	4
Deaths	12	34	46
Cases transferred to other counties	4	1	5
De-registered	1	..	1

Visits.

Ordinary—	
Registered	3721
Observation	696
Special—	
Registered	825
Observation	
Totals—	
Ordinary	4417
Special	825

Grants.—Charitable Grants to the value of £97 0*s.* 6*d.*, for Necessitous Grants, sickness, clothing, seeds, repairs, fares etc.

Per Headquarters, Christmas Grants, £45 18*s.* 0*d.* Unemployable grants paid weekly.

Equipment.—(Workers)—To the value of £2 18*s.* 0*d.*

Applications.—Old Age Pensions, 29 ; Other Sources, 13 ; (Clothworkers and Gardeners).

Surgical Services :—

Examination by Ophthalmic Surgeons	105
Sent for Hospital Treatment	16
Supplied with Spectacles etc.	49
	and two Artificial Eyes

Workers :—

Registered Home Workers	11
Pastime Home Workers	41
Learners	6
In Training	3

Secretary's Report for 1938—1939.

During the year, Teas and Social gatherings have taken place in different parts of the area. In some districts also, singing meetings in the Winter and Rambles in Summer are arranged by the Home Teachers.

Sales of work have been held at various centres at which Blind workers have demonstrated.

Bus passes were again issued through the Society by the Crosville Motor Company for the nominal sum of 2/6 each. White sticks have also been issued to Blind Persons requiring them.

The Library at Bangor continues to be well patronised by Blind readers, many of whom also receive newspapers, magazines etc. by post direct, free of charge.

Christmas gifts were given to 306 Caernarvonshire cases to the value of £45 18*s*. 0*d*.

The Wireless Maintenance Fund is still being carried on. This fund provides half the cost of Batteries etc. for the maintenance of Wireless Sets. The Wireless for the Blind Fund have issued a large number of new Wireless Sets, some of them "All Main."

The Necessitous Grants Committee have dealt with numerous applications for clothing, boots, etc., during the year. The County Council is now refunding such grants that have been made to cases in receipt of the Unemployable Blind Grant (i.e. people who have been transferred from the Public Assistance Books).

The Blind are very grateful to the County Council for the many sick grants allowed and also for assistance towards funeral expenses.

The Unemployable Blind Grants continue to be paid by the Society every week. These grants have proved a godsend to the Blind and have made, in many instances, all the difference between penury and a modest though welcome measure of happiness.

REGULATED ESTABLISHMENTS.

Summary relating to the year 1938.

These figures are taken from the reports of the District Medical Officers of Health.

Those premises situated within the District.	*No. on Register.*	*No. on Register previous year.*	*No. of Visits or Inspections.*	*No. of Premises found defective.*	*No. of Informal Notices.*	*No. of these complied with.*	*No. of Prosecutions.*	*Purveyors from outside the District.*
Cowsheds & Farm Dairies ..	833	882	1418	50	49	49	..	83
Retailing Milk Carts	399	388	484	4	4	4	..	3
Milk Shops (Dairy Shops) ..	35	44	167	6	..	..	..	..
Public Slaughter Houses ..	5	5	520	2	2	2	..	..
Private Slaughter Houses ..	101	117	1692	6	6	4	..	..
Meat Shops	191	200	1663	3	3	3	..	..
Retailing Meat Carts	81	84	297	3	3	3	..	4
Factory Bakehouses	59	58	118	1	1	1	..	..
Workshop Bakehouses ..	140	137	398	16	16	16	..	..
Bread Shops	384	352	328	..	..	..	..	..
Retailing Bread Vans	112	120	87	..	..	..	..	
Workshops(including Workshop Bakehouses and Laundries)..	908	935	1009	24	24	24	..	..
Workplaces	89	83	103	2	2	2	..	..
Factories (including Factory Bakehouses & Laundries) ..	163	153	281	13	13	12	..	..
Home Workers Premises ..	2	2	1	..	..	..	..	..
Offensive Trades	6	6	21	4	1	1	..	..
Common Lodging-Houses ..	..	..	..	..	..	..	..	..

MILK DEALERS.

Milk Dealers on the Register.	*Retailing only.*	*Retailing & Producing.*	*Wholeselling & Producing*
A.—Occupying premises within the District, and selling milk **within**, or outside, or both	68	522	60
B.—Occupying premises **outside** the District, and importing milk into the District	9	78	25

SLAUGHTER HOUSES.

IN PAST AND PRESENT USE—TOTAL COUNTY.

	In December 1936	*In December* 1937	*In December.* 1938
Registered only ..	21	21	16
Licensed	99	100	86
Total on register ..	120	121	102

THE MILK (SPECIAL DESIGNATIONS) ORDER, 1936

Return of Licences granted by the County Council and Sanitary Authorities.

Description of Licences.	*Number in force on the 31st Dec.,* 1938.
1. **Tuberculin Tested.**	
Producers licences only	4
Producers and Bottling Licence	21
*Bottling establishment not on farm	8
*Other premises	10
2. **Accredited.**	
Producers Licences only	5
Producers and Bottling Licences	18
*Bottling establishment not on farm	—
*Other Premises	2
3. *Pasteuriser's Licences for Pasteurised Milk	—

* Licences granted by the Sanitary Authorities.

HERD SAMPLING SCHEME.

County Offices,

Caernarvon,

August 31st, 1939.

Dear Sir,

I have the honour to submit my second annual Report on the sampling of milk for Tubercle Bacilli and other work performed by me under the Milk (Special Designations) Order, 1936 and the Milk-in-Schools Scheme, for the year 1938.

During the year 1938, 1445 samples of milk were taken for tubercle examination representing 746 farms.

Of the above number 1438 samples were reported to be free of Tubercle Bacilli, i.e., negative to the Biological Test, and 7 samples positive to the test, i.e., Tubercle Bacilli present, a decrease of 14 Positive results, on the year 1937.

The procedure adopted for sampling and testing is as follows :—

Bulk samples are taken at the farm, these represent the milk of several cows and are then forwarded to the laboratory. The laboratory routine consists of either the Microscopical examination of the samples, when the result may be available within a day, or the Biological test. To carry out this test, two guinea pigs are inoculated with the saline emulsified centrefuge deposit of the milk sample.

One of the guinea pigs is then killed one month after inoculation, or earlier, if it shows any clinical symptoms, of Tuberculosis, and the other from 6—8 weeks. Should any of these show evidence of Tuberculosis on post mortem, the sample of milk is regarded as " Positive " to the test.

The County Medical Officer is notified of any positive results, and he immediately communicates with the Veterinary Inspector of the Ministry of Agriculture, who then follow up the positive herds.

Of the 7 Positive results notified during 1938, the offending cows were traced and slaughtered under the Tuberculosis Order in 5 cases, the remaining two being untraced.

Difficulty is often experienced by the Veterinary Inspectors in tracing these cows through the movement of animals which has taken place, in the interim of six weeks, between the time of taking the sample and the date of result.

The establishment of Butter Factories and Creameries within easy reach of producers in this County has lately greatly increased the production of milk, and the change has taken place very rapidly. Farmers who two years ago never dreamt of producing milk for sale, as such, are now sending their supplies daily to the various establishments.With this rapid change, the question of Registration, and the condition of cowsheds and dairies is presenting some difficulty to the Local Authorities concerned, as many of these buildings are below the standard of those already selling milk.

With this great increase in milk production comes the added danger of infection from Tuberculous milk, as no doubt, large quantities of this milk will find its way to the liquid market.

With the above change another danger also presents itself, i.e., the danger of infection from contaminated and improperly cleansed and sterilised churns.

Efforts are made by farmers to cleanse and sterilise these churns before use, but it is very doubtful whether their attempt in this direction is entirely satisfactory.

One firm which collects milk in this county possess their own churns, these churns have no names on them, consequently the same churn is not returned daily to the same farmer.

Again the procedure with butter Factories is to return skim milk to the farmer in his churn, this skim milk being a mixture of milk from several farms.

Bottling of milk by retailers is also gaining popularity, but again the question of efficient sterilization of the bottles arises, as only holders of Designated Licences and a few dairymen possess proper and efficient pressure steam sterilizers.

MILK (SPECIAL DESIGNATIONS) ORDER, 1936.

On the 31st December, 1938, there were 25 holders of Tuberculin Tested Milk Licences which included two new producers enrolled during the year (one of which previously held an Accredited Milk Licence) and one producer did not apply for the renewal of his licence.

There were 25 holders of Accredited Milk Licences including 4 new producers enrolled during the year. 2 producers did not apply for the renewal of their licences.

165 samples of Tuberculin Tested Milk were taken for Bacteriological examination, 17 of which failed to pass the required test, i.e., 10 per cent.

131 samples of Accredited milk were taken for Bacteriological examination 22 of which failed to pass the required tests, i.e., 17 per cent.

The above results compare favourably with last year's figures when the percentage of failures for Tuberculin Tested Milk was 18.6 per cent., and for Accredited milk, 18 per cent.

The following table gives an allocation of the failures :—

Designations	*No. of failures.*	*Methylene Blue only,*	*Coliform only.*	*Both Tests.*	*Per Cent.*
Tuberculin Tested Milk	17	3	11	3	10
Accredited Milk	22	2	13	7	17

Numerous applications were received during the year from farmers for particulars of the necessary alterations required to buildings before a licence for the production of a Designated milk could be granted them. Difficulty was encountered in County Boundary Farms through the difference of Standards in operation in this County and the adjoining Counties, e.g., the provision of a steam sterilizer being compulsory in this County for all farms, large and small.

MILK-IN-SCHOOLS SCHEME.

The above scheme has now been firmly established in this County, and all the schools with the exception of a few Rural Schools are supplied with milk under the above scheme.

The few remaining schools without a supply are very Rural and the number of children in each case small, and mostly live or are connected with Agriculture, and hence if milk was provided for them at school, it is very doubtful whether they would partake of it.

Yours faithfully.

ERNEST JONES.

Dr. D. E. Parry Pritchard,

County Offices,

Caernarvon.

HERD SAMPLING SCHEME.

Samples of Milk taken during 1938 for Biological Examinations.

District.	*No. of Producers samples.*	*Biological samples taken.*	*Negative Results.*	*Positive Results.*	*Cows placed under T.B Order, 1938.*
RURAL.					
Nant Conway ..	72	131	130	1	1
Lleyn	174	350	349	1	1
Gwyrfai	176	361	361	..	..
Ogwen	95	196	195	1	..
URBAN.					
Bangor	10	19	19	..	..
Bethesda	37	66	66	..	..
Bettwsycoed ..	10	17	17	..	..
Caernarvon ..	21	46	46	..	..
Conway	26	52	52	..	..
Criccieth ..	4	6	6	..	..
Llandudno ..	37	39	39	..	..
Llanfairfechan ..	33	65	64	1	1
Penmaenmawr ..	12	24	24	..	..
Pwllheli	12	24	23	1	1
Portmadoc ..	27	49	47	2	1*
Totals ..	746	1445	1438	7	5

* One cow destroyed by owner.

	1937	1938
Number of cows reported to be giving Tuberculous Milk	21 ..	7
Number of such animals detected and placed under the Tuberculosis Order	12 ..	5

STATEMENT of the number of cases slaughtered under the TUBERCULOSIS ORDER, 1938, in the various Sanitary Districts in the County of Caernarvon, during the years 1935 to 1938.

District.	*Cows in milk.*				*Other Cows or Heifers*				*Other Bovine animals*			
	1935	1936	1937	1938	1935	1936	1937	1938	1935	1936	1937	1938
BOROUGHS—												
Bangor ..	2	..	3	..	2	..	..	..	..	..	..	1
Caernarvon ..	..	2	4	3	2	..	..	1	..	..	1	..
Conway ..	..	1	..	..	..	..	..	1	..	..	..	..
Pwllheli	..	..	2	2	..	..	..	..	..	..		..
URBAN DISTRICTS.												
Bethesda ..	..	..	1	1	..	..	..	..	..	..	..	..
Bettwsycoed ..	..	..	1	..	..	..	..	..	..	..	..	..
Criccieth	2	3	1	4	..	..	1	..	..	..	..	..
Llandudno ..	2	..	1	1	..	1	..	..	..	..	..	..
Llanfairfechan ..	..	..	..	2	..	..	..	..	..	..	..	..
Penmaenmawr ..	..	..	..	1	..	..	..	..	..	..	..	..
Portmadoc ..	1	3	1	..	..	1	..	..	..	..	..	..
RURAL DISTRICTS.												
Gwyrfai ..	22	38	26	21	6	4	6	3	1	1	1	2
Lleyn	15	14	42	22	6	6	10	13	3	3	2	..
Nant Conway ..	2	5	..	2	2	..	..	..	..	..	..	..
Ogwen	3	3	6	..	..	..	..	..	..	..	..	..
Totals ..	49	69	88	59	18	12	17	18	4	4	4	3

COUNTY OF CAERNARVON.

Sanitary Districts in the County where the Sewerage arrangements are unsatisfactory.

Caernarvon Borough.

Owing to overtaxing of system a new scheme has been prepared and an application for sanction to a loan covering practically the whole scheme has been granted. Confirmation has been further received for a scheme to improve the South Road and North Road Districts, the conditions having been unsatisfactory for some years.

Llanfairfechan U.D.

The Council have under consideration a scheme for the renewal of present pumps, ejectors and outfall main.

Pwllheli Borough.

It has not been found practicable to extend sewer to part known as Penrallt where there are 17 houses of the Working-class type. A scheme would be likely to be expensive, as the work would entail excavation in rock.

Portmadoc U.D.

A scheme is being prepared for the preparation of a sewer alongside the Cut, which receives discharge from outlets. The Cut is deepened annualy at a cost of about £70. Schemes for reconstruction of sewers are also under consideration.

Gwyrfai R.D.

Sewerage is likely to be improved at Llandwrog, Bwlchllyn, Swan, Llanwnda, Bethel, Rhiwlas, Deiniolen, Llanrug and Portdinorwic.

Early consideration should be given to sewerage at Llanberis, Cwmyglo, Rhosisa, Llanllyfni, Dinas Dinlle, Part of Groeslon.

New sewage-disposal works being contemplated at Cesarea.

It is proposed to draw out a comprehensive scheme of sewerage-disposal for the whole of Nantlle Vale.

Sewerage and sewage-disposal works urgently required for Dinas.

Sewage should be properly treated before being discharged into the rivers.

In some places, in spite of existence of sewers and water supply, houses and perhaps terraces remain unconverted.

Lleyn R.D.

A sewerage scheme is badly needed at Llanbedrog. Improvements are required at Sarn, Botwnnog, Llithfaen, Edeyrn, Abersoch, Abererch, Efailnewydd, Llannor, Chwilog, Llanystumdwy, Pentrefelin, Garn, Prenteg, Pencaenewydd, Llaniestyn, Tydweiliog, Mynytho.

Sewerage is badly needed at *Edeyrn*—water system is present.

Sewerage system at *Abererch* incomplete. A scheme has been prepared.

A new scheme has been prepared for *Llanbedrog.*

There is great need of a sewer at *Sarn.*

At *Fourcrosses*, the treatment and discharge of sewage is to be improved.

Chwilog.—Scheme submitted substituting disposal works for sea outfall.

Llithfaen.—Public Inquiry is expected.

Penmorfa.—Sewerage likely to be improved. Public Inquiry has been held.

Efailnewydd.—Sewer is badly needed and scheme is in course of preparation.

Llannor.—Sewerage system is badly needed and a scheme is to be prepared.

Llanystumdwy.—Complete scheme for village has been sent to the Ministry.

Prenteg.—Surface-water sewer now serving village. Complete sewerage scheme badly required. Scheme will entail great expense as means of lifting sewage will be required.

Garn, Dolbenmaen.—Surface-water sewer serving part of village, but complete sewerage scheme required. Water system would be required concurrently.

Nant Conway R.D.

Trefriw.—It is the intention of the Council to have the sewers and sewage disposal tanks overhauled.

Ogwen R.D.

Sewers and disposal systems are a necessity throughout the district and with the improvements in the water supplies this has become more pronounced. The Council has had this matter under consideration.

WATER SUPPLIES.—RETURN FOR 1938.

Source of Supply.	*Number.*	*Filtered and/or Chlorinated.*	*Samples taken*		*Results of Tests.*
			Bacteriological.	*Chemical.*	
URBAN DISTRICTS.					
BETHESDA U.D.					
Rivers	1	No.	2	Nil.	Unsatisfactory.
Springs	1	No.	2	Nil.	Unsatisfactory.
Well ..	1	No.	1	Nil.	Satisfactory.
BANGOR BOROUGH ..					
Streams	1	Filtered and Chlorinated	2	1	Satisfactory.
Springs	1	Filtered and Chlorinated			
BETTWSYCOED U.D.					
Lakes	1	No.	Nil.	Nil.	
CRICCIETH U.D.					
Springs	1	No.	1	1	Satisfactory.
CONWAY BOROUGH					
Lake	1	No.	Nil.	Nil.	
CAERNARVON BOROUGH.					
Lake	1	Chlorinated only	2	Nil.	Satisfactory.
LLANFAIRFECHAN U.D.					
Lakes	1	Filtered only	4	4	Satisfactory.
Stream	1	No.	2	Nil.	Unsatisfactory
LLANDUDNO U.D.					
Lakes	2	No.	6	4	Satisfactory.
PENMAENMAWR U.D.					
Streams	1	No.	4	Nil.	3 Unsatisfactory.
PWLLHELI BOROUGH.					
Springs	1	No.	4	1	Satisfactory.
Streams	1	No.			

WATER SUPPLIES.—RETURN FOR 1938.—Continued.

Source of Supply.	*Number.*	*Filtered and/or Chlorinated.*	*Samples taken*		*Results of Tests.*
			Bacteriological.	*Chemical.*	
PORTMADOC U.D.					
Lake	1	No.	2	1	Satisfactory.
RURAL DISTRICTS.					
NANT CONWAY.					
Wells	2	No.	2	2	Satisfactory.
Springs	1	No.	1	1	Satisfactory.
LLEYN.					
Springs	11	2 Filtered only	13	2	Satisfactory.
Streams	1	Filtered only.	1	1	Satisfactory.
OGWEN.					
Lakes	1	No.	1	1	Satisfactory.
Streams	1	Filtered and Chlorinated	1	1	Satisfactory.
Springs	2	No.	2	2	1 Bacteriological Unsatisfactory
GWYRFAI.					
Streams	7	3 Filtered only			
		1 Filtered and Chlorinated.	9	Nil.	3 Unsatisfactory.
Springs	16	2 Filtered only	12	5	2 Chemical Unsatisfactory.
Lakes	1	No.	2	Nil.	Satisfactory.
Wells	1	No.	2	Nil.	Satisfactory.

ADMINISTRATION OF FOOD AND DRUGS ACTS.
NUMBER OF SAMPLES ANALYSED AND ADMINISTRATIVE ACTION TAKEN DURING THE YEAR ENDED THE 31st DECEMBER, 1938.

Article.	*No. of samples analysed.*	*Result of Analysis.*		*Prose-cutions.*	*Officially cautioned.*	*No action.*	*Remarks.*
		Genuine.	*Non-Genuine.*				
Milk	166	142	24	3	20	1	—
Butter	17	15	2	—	1	1	(1% excess water).
Cheese	4	4	—	—	—	—	—
Baking Powder	2	2	—	—	—	—	—
Pepper	1	1	—	—	—	—	—
Lard	2	2	—	—	—	—	—
Cream	3	3	—	—	—	—	—
Sausages	7	5	2	—	2	—	—
Coffee	2	2	—	—	—	—	—
Currants	2	2	—	—	—	—	—
Lemon Squash	1	1	—	—	—	—	—
Spry	1	1	—	—	—	—	—
Tomato Sauce	1	1	—	—	—	—	—
Jam	1	1	—	—	—	—	—
Lemon Curd	1	1	—	—	—	—	—
Tapioca	2	2	—	—	—	—	—
Vinegar	3	3	—	—	—	—	—
Worcester Sauce	1	1	—	—	—	—	—
Whiskey	1	1	—	—	—	—	—
Custard Powder	1	1	—	—	—	—	—
Brandy	1	1	—	—	—	—	—
Olive Oil	1	1	—	—	—	—	—
Rice	1	1	—	—	—	—	—
Dripping	1	1	—	—	—	—	—
Cake	1	1	—	—	—	—	—
Orange Peel	1	1	—	—	—	—	—
Sweet Spirits of Nitre....	3	1	2	1	1	—	—
Aspirin Tablets	1	1	—	—	—	—	—
Cascara Tablets	1	1	—	—	—	—	—
Cod Liver Oil	1	1	—	—	—	—	—
Compound Syrup of Figs	1	1	—	—	—	—	—
Castor Oil	1	1	—	—	—	—	—
Sardines	1	1	—	—	—	—	—
Totals	234	204	30	4	24	2	—

VACCINATION.

Return shewing the number of persons successfully vaccinated and re-vaccinated at the cost of the rates by the Public Vaccinators and the Medical Officers of the Public Assistance Institutions during the year ended the 30th September, 1938

(a) PUBLIC VACCINATORS.

Name of Vaccination District	*Name of Public Vaccinator.*	*Numbers of successful Primary Vaccinations of persons*			*Number of successful Re-vaccinations, i.e., successful vaccinations of persons who had been successfully vaccinated at some previous time.*
		Under one year of age.	*One year and upwards.*	*Total.*	
Conway	WilliamThomas	21	3	24	..
Llandudno	C. A. A. Lever	86	20	106	6
Bettwsycoed and Trefriw	A. Thompson Hill	11	..	11	..
Penmachno	W. E. Williams	22	..	22	1
Bangor and Pentir ..	T. Burrell	27	1	28	..
Llanfairfechan and Aber ..	Thomas Bellis	17	..	17	1
Bethesda, Llanllechid and Llandegai	A. Rees Pritchard.	58	4	62	4
Caernarvon	R. Armsden	68	2	70	2
Waenfawr	A. L. Miles	17	1	18	3
Llandwrog No.1	W. G.Owen	38	4	42	4
Llandwrog No. 2	E. H. Griffiths	30	5	35	..
Llanrug No. 1	J. Douglas Jones	97	..	97	1

VACCINATION (Continued).

Return showing the number of persons successfully vaccinated and re-vaccinated at the cost of the rates by the Public Vaccinators and the Medical Officers of the Public Assistance Institutions during the year ended the 30th September, 1938.

(a) PUBLIC VACCINATORS.

Name of Vaccination District.	*Name of Public Vaccinator.*	*Numbers of successful Primary Vaccinations of persons*			*Number of successful Re-vaccinations, i.e., successful vaccinations of persons who had been successfully vaccinated at some previous time.*
		Under one year of age.	*One year and upwards.*	*Total.*	
Llanrug No.2	G. Ap Vychan Jones	30	..	30	7
Pwllheli	T. H. Rhys	35	3	38	2
Abererch	T. H. Rhys	6	..	6	..
Tremadoc	Arwyn Roberts	45	10	55	3
Criccieth	R. Prytherch	18	7	25	3
Llanaelhaiarn	J. L. Rowlands	13	..	13	2
Abersoch	G. H. D. Evans	31	2	33	..
Nevin	H. Hughes Jones	38	4	42	8
Aberdaron	Lloyd W. Hughes	42	..	42	3
	Totals	750	66	816	50

PUBLIC ASSISTANCE INSTITUTIONS.

Dolwaen, Conway	W. Thomas	..	..	Nil	..
Cartref, Pwllheli	W. Charles Evans	1	..	1	..
St. David s Hospital, Bangor	L. Lancaster	1	..	1	..
Eryri, Caernarvon	W. Hilton Parry	..	..	Nil	..
	Totals	2	..	2	..

VACCINATION.

RETURN, respecting the Vaccination of Children whose Births were registered from 1st January to 31st December, 1937, inclusive.

Registration Sub-Districts comprised in the Vaccination Officer's District.	Number of Births returned in the "Birth List Sheets" as registered from 1st January to 31st December, 1937.	Number of these Births duly entered by 31st January, 1939, in Columns I., II IV. and V. of the "Vaccination Register" (Birth List Sheets), viz.: Col. I. Successfully Vaccinated.	Col. II. Insusceptible of Vaccination.	Col. II. Had Small Pox.	Col. IV. Number in respect of whom Statutory Declarations of Conscientious Objection have been received.	Col. V. Died unvaccinated.	Number of these Births which on 31st January, 1939, remained unentered in the "Vaccination Register" on account (as shown by "Report Book") of: Postponement by Medical Certificate.	Removal to Districts the Vaccination Officers of which have been duly apprised	Removal to places unknown or which cannot be reached; and Cases not having been found.	Number of these Births remaining on 31st Jan., 1939, neither duly entered in the "Vaccination Register" (columns 3, 4, 5, 6 and 7 of this Return) nor temporarily accounted for in the "Report Book" (columns 8, 9 and 10 of this Return).	Total number of Certificates and copies of certificates of Successful Primary Vaccination of **Children under 14** received during the **Calendar Year 1938.**	Number of Statutory Declarations of **Conscientious Objection actually received** by the Vaccination Officer irrespective of the dates of birth of the children to which they relate **during the Calendar Year, 1938.**
1	2	3	4	5	6	7	8	9	10	11	12	13
Llandudno and Llanrhos	230	89	..	..	74	18	..	..	49	..	146	101
Conway	111	38	..	..	39	6	26	2	..	..	25	47
Bettwsycoed and Nant Conway	59	31	..	..	15	..	1	..	12	..	32	11
Llanllechid	81	54	1	..	19	2	2	3	..	..	73	17
Bangor	328	101	..	..	96	21	..	59	7	44	124	111
Llanfairfechan	33	21	..	..	8	2	..	1	..	1	22	11
Caernarvon U.D.	123	84	..	..	24	6	..	8	1	..	98	23
Gwyrfai R.D.	21	15	..	..	1	2	..	..	2	1	14	4
Llandwrog	67	43	..	..	21	2	..	1	..	..	48	37
Llanllyfni	55	24	..	..	20	2	..	2	3	4	19	13
Llanrug	154	124	..	..	14	9	..	3	1	3	122	16
Criccieth	64	42	..	..	21	..	..	..	..	1	40	10
Tremadoc	110	68	..	..	37	4	..	1	..	..	84	30
Pwllheli	112	101	..	..	7	2	..	2	..	..	94	9
Aberdaron	67	58	..	..	6	3	..	..	..	..	64	7
TOTAL	1615	893	1	..	402	79	29	82	75	54	1005	447

The Return for Vaccination shows that 55.2% of the babies born during the period 1st January to the 31st December, 1937, were successfully vaccinated.

County and District.	1930		1931		1932		1933		1934		1935		1936		Total Deaths.	Death Rate per million Yearly.
	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.		
CAERNARVON.																
URBAN—																
Bangor M.B.	15	10950	13	10990	13	11460	13	11450	11	11887	10	12180	13	12390	88	1082
Bethesda....	5	4430	7	4506	2	4524	6	4497	7	4502	7	4521	2	4548	36	1142
Bettws-y-coed	1	833	0	818	0	822	3	821	0	793	2	784	0	782	6	1061
Caernarvon M.B.	10	8320	17	8414	18	8433	17	8450	7	8470	12	8494	10	8558	91	1539
Conway M.B.	12	8482	12	8132	12	8252	8	8441	6	8608	9	8790	14	8924	73	1223
Criccieth	0	1526	0	1362	1	1389	1	1400	1	1452	1	1464	1	1466	5	497
Llandudno	2	13680	12	12510	12	12770	3	12770	13	14348	11	14960	10	15110	63	655
Llanfairfechan	0	3139	2	3087	2	3143	1	3214	2	3187	3	3149	2	3122	12	547
Penmaenmawr	7	3996	3	3912	2	4049	3	3969	3	4033	1	4008	1	3951	20	716
Portmadoc	8	4088	5	3935	3	4071	2	4091	4	4048	6	4085	4	4065	32	1127
Pwllheli M.B.	11	3596	7	3544	6	3607	5	3567	3	3562	5	3565	6	3584	43	1718
RURAL—																
Conway	3	4653	4	4408	2	4493	4	4556	3	1151	....	....	....	....	16	831
Geirionydd	3	4074	9	4011	5	4032	10	4004			....	....	....	....	27	1675
Glaslyn	8	2724	4	2585	5	2599	2	2589		641	....	....	....	....	19	1706
Gwyrfai	49	23880	55	23920	48	23900	44	23830	47	24347	48	24390	55	24320	346	2052
Lleyn	11	16540	25	16640	14	16280	21	16140	19	17160	17	17470	13	17310	120	1021
Nant Conway	....	....	..	....	....	....	..	....	12	5877	7	6410	11	6380	30	1607
Ogwen	8	5689	10	5706	7	5756	5	5711	4	5334	7	5130	5	5110	46	1197
Whole County	153	120600	185	118480	152	119580	148	119500	142	119400	146	119440	147	119520	1073	1283

SUMMARY.

	1930		1931		1932		1933		1934		1935		1936		Total deaths.	Death Rate per million Yearly.
	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.	No. of deaths.	Population.		
COUNTIES.																
Anglesey	64	49620	58	48350	63	48590	55	48240	64	47950	44	47600	42	47280	390	1153
Brecknock	58	58220	73	57270	57	57030	46	56660	34	56150	45	55400	40	54600	353	891
Caernarvon	153	120600	185	118480	152	119580	148	119500	142	119440	146	119400	147	119520	1073	1283
Cardigan	66	55340	67	54750	49	54840	54	54080	63	53950	69	53800	52	53680	420	1104
Carmarthen	162	180600	160	180080	170	179290	157	177950	135	177350	169	176900	193	176390	1146	918
Denbigh	119	158100	144	157230	122	157300	129	156500	117	156700	119	156400	109	157090	859	782
Flint	80	112300	95	112480	81	112900	68	113750	86	114950	79	116000	65	117770	554	694
Glamorgan ...	735	786600	760	769700	712	763000	770	758160	729	751650	664	743800	610	731350	4980	938
Merioneth	62	43090	57	42370	65	42120	44	41760	40	41500	39	41300	44	41030	351	1196
Monmouth ...	307	352800	298	347570	279	343960	290	341490	273	338950	270	327150	229	319940	1946	819
Montgomery	41	48920	52	47980	30	47950	38	47380	28	46700	27	46200	39	45950	255	769
Pembroke	83	86820	91	86020	86	86490	99	86040	67	85650	87	85100	60	83700	573	956
Radnor	21	21140	21	20820	15	20970	20	20850	10	20600	12	20500	9	20140	108	742
Total Counties	1951	2074150	2061	2043100	1881	2034020	1918	2022360	1788	2011500	1770	1989550	1639	1968440	13008	920
COUNTY BOROUGHS.																
Cardiff....	258	223900	293	223800	284	222600	281	222000	255	221050	265	221400	233	221500	1869	1201
Merthyr Tydfil	76	74220	107	71480	87	70690	76	69680	65	68700	64	67200	64	65640	539	1102
Newport ...	111	92300	121	89440	98	89630	87	88560	92	87600	100	94750	101	97200	710	1112
Swansea	171	164300	177	165500	172	164900	169	165500	131	165550	148	164800	130	164100	1098	951
Total County Boroughs ..	616	554720	698	550220	641	547820	613	545740	543	542900	577	548150	528	548440	4216	1098
Total Wales and Mon.	2567	2628870	2759	2593320	2522	2581840	2531	2568100	2331	2554400	2347	2537700	2167	2516880	17224	958

APRIL, 1938.

	Nant Conway R.D.	Gwyrfai R.D.	Llevn R.D.	Ogwen R.D.	R.D. Total.	Bangor Borough.	Bethesda U.D.	Bettwsycoed U.D.	Caernarvon Borough.	Conway Borough.	Criccieth U.D.	Llandudno U.D.	Llanfairfechan U.D.	Penmaenmawr U.D.	Pwllheli Borough.	Portmadoc U.D.	Total U.D.	Total for County.
1. NEW WORKING CLASS HOUSES ERECTED & COMPLETED WITH STATE ASSISTANCE UNDER THE HOUSING ACTS.																		
(a) By the Local Authority	22		58	62	142	295	33	..	150	62	..	..	15	40		..	595	737
(b) By other Bodies or Persons	..		..	..	..	..	..	..	..	..	..	..	..	..		..	..	..
WITHOUT STATE ASSISTANCE.																		
(a) By the Local Authority	..		..	..	..	..	..	..	..	..	..	..	..	..		..	..	..
(b) By other Bodies or Persons	3		15	1	19	..	..	1	..	..	1	..	10	4		..	16	35
Grand Total	25		73	63	161	295	33	1	150	62	1	..	25	44		..	611	772
2. INSPECTION OF DWELLING-HOUSES DURING THE YEAR :—																		
(i.) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	44		298	354	696	1024	978	30	625	39	440	213	54	33		136	3572	4268
(b) Number of inspections made for the purpose	44		371	395	810	1081	1059	30	625	39	441	213	68	57		400	4013	4823
(ii.) (a) Number of dwelling-houses (included under sub-head (i) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	40		..	..	40	529	..	..	..	22	..	..	..	9		..	560	600
(b) Number of inspections made for the purpose	40		..	..	40	731	..	..	..	22	..	..	..	15		..	768	808
(iii.) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ..	..		128	238	366	174	151	..	63	..	13	6	14	2		12	435	801
(iv.) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	4		42	72	118	312	29	15	85	22	22	70	22	8		89	674	792
3. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES :—																		
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers.. ..	..		27	32	59	312	27	9	22	15	13	68	17	5		..	488	547
4. ACTION UNDER STATUTORY POWERS DURING THE YEAR :—																		
(a) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936.																		
(i.) Number of dwelling-houses in respect of which notices were served requiring repairs	4		3	..	7	..	..	..	22	22	9	2	..	..		24	79	86
(2) Number of dwelling-houses which were rendered fit after service of formal notices :																		
(a) By owners	4		3	..	7	..	2	..	22	7	9	2	..	..		15	57	64
(b) By Local Authority in default of owners	..		..	..	..	..	..	..	..	..	..	..	..	..		..	..	..
(b) Proceedings under Public Health Acts :—																		
(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	2		..	1	3	..	15	..	235	17	13	..	2	9		65	356	359
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—																		
(a) By owners	2		..	1	3	..	2	..	235	17	4	..	2	9		43	312	315
(b) By Local Authority in default of owners	..		..	..	..	..	..	..	..	..	..	..	..	..		..	..	..
(c) Proceedings under sections 11 and 13 of the Housing Act, 1936																		
(1) Number of dwelling-houses in respect of which Demolition Orders were made	22		18	23	63	4	5	..	108	..	1	..	11	22		2	153	216
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	..		..	23	23	..	..	..	30	7	..	..	2	6		1	46	69
(d) Proceedings under section 12 of the Housing Act, 1936 :—																		
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	..		..	..	..	10	..	..	..	..	..	..	..	..		2	12	12
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	..		..	..	..	..	..	..	..	..	..	..	..	..		..	..	..
5. HOUSING ACT, 1936—PART IV.—OVERCROWDING.																		
(a) (i) Number of dwellings overcrowded at the end of the year ..	14		202	21	237	..	57	3	54	17	6	14	13	24		35	223	460
(ii) Number of families dwelling therein	14		202	25	241	..	57	3	54	17	6	14	13	24		37	225	466
(iii.) Number of persons dwelling therein	70		1032	131	1233	..	337	21	329	109	48	118	85	127		212	1386	2619
(b) Number of new cases of overcrowding reported during the year ..	..		6	..	6	..	..	..	6	3	2	2	..	..		..	13	19
(c) (i) Number of cases of overcrowding relieved during the year ..	10		11	37	58	..	5	1	6	11	1	5	30	9		4	72	130
(ii.) Number of persons concerned in such cases	46		71	235	352	..	37	6	30	57	9	31	174	40		25	410	762
(d) Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	..		..	..	..	..	..	..	..	..	..	..	..	..		..	..	..